THE CHEMIST AND DRUGGIST, OCTOBER 28, 1922.

THE CHEMIST AND DRUGGIST

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OCTOBER 28, 1922.

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Vol. XCVII.

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We have

6

Designs.

that we have no intention or desire to shun our obligations.

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AND OTHER
INDIGESTION
TABLETS.

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enervating pads or wrappings.

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If you have not yet received this display material, notify us to-day. Order Musterole through your

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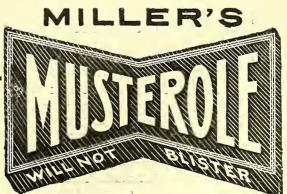
Don't miss your share of the business they will produce.

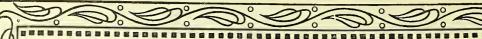
Musterole window displays and Musterole showcards will direct demand to your shop.

4-12, Old Swan Lane, London, E.C.4.

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ESTABLISHED 1880.

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"Zinyl" Brand (Regd.)

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of the best of the series 12/6 oz.
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LILAC. A true synthetic product of
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imitation of the flower 13/6 oz.
NEROLI. Of exquisite flavour; very
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ful as some of the series 11/- oz.

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ROSE. One of the finest and most	
delicate Synthetic Ottos on the market. The "Zinyl" Brand	
market. The "Zinyl" Brand	
passes the most discriminating tests,	
and is almost indistinguishable from	4
genuine otto, and, though much	
stronger, costs but a fraction of the	10/
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of Provence	
ROSE WHITE	18/- oz.
SWEET PEA. A novelty recalling	
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VIOLET. A universal favourite, in	10/6
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VIOLET DE PARME. A variation	
of the preceding Otto	15/- oz.
WALLFLOWER. Recalls this beauti-	
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is especially good, and has given the greatest satisfaction to even the most exacting critics."

Perfumery and Essential Oil Record, May, 1918.

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122 Great Suffolk Street - London, S.E.1.



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OF

FANGS

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DRAWS

BRITOL

IN TINS (Tins included).

½ lb. 1 lb. 8 lb. 2/6 4/- 24/-28 lb. **78/-**56 lb. 280/~

Liquid Britol.

IN BOTTLES (Bottles included).

4 oz. 8 oz. 16 oz. 1/6 2/6 4/-4/-

DITTO IN CANS OR CASKS (Containers included).

r gall. 10 galls. 40 galls.

Per gall. 30/= 25/= 22/=

Britol Air Purifier .- With Fixture.

Each 1/9 Refills each 6d.

Britol Death to Moths. In Tins, each 6d.

Sole Manufacturers:

BRITEX CHEMICAL PRODUCTS Ltd. Audrey House, Ely Place, London, E.C.1

## Why YOU will recommend BRITOL

to your customers.

THE FIXED TRADE DISCOUNT IS 40%

Our extensive advertising sells it for you.

BRITOL is essentially a chemist's product, it is a perfect germicide and antiseptic and kills all bad smells.

**BRITOL** is recommended by high medical authorities.

BRITOI, "Death to Moths" has been proved by expert entomologists to be the most efficient protection against the moth yet discovered,

Every **BRITOL** customer is a satisfied one.

SEND A POSTCARD FOR PARTICULARS OF OUR SPECIAL BONUS OFFER.

BRITOL DRAWS THE FANGS OF DISEASE.



## All the name implies—

a smooth, perfect dancing surface, over which the feet glide easily.

The effect is immediate, the result lasting, and there is absolutely no dust.

Attractive get-up and generous advertising aids help initial sales, the quality ensures repeats.

P.A.T.A. prices guarantee a profit worth while.

1/6 12/- 3 doz. or equiv., less  $2\frac{1}{2}$ %.

2/6 20/- 6 doz. or equiv., less 5%.

1 doz. 2/6 being considered equivalent to 2 doz. 1/6.

If your wholesaler does not stock the makers will dispatch, carriage paid, 4 doz. 1/6 (or equivalent) with a full supply of showcards, &c.



BALL ROOM FLOOR POLISH BEST TO USE EASIEST TO SELL

TINS 1/6 and 2/6 P. A.T.A.

Distributors to the Wholesale Trade :--

London and District

MAY, ROBERTS & CO., Ltd., London.

WHOLESALERS :-

BUTLER & CRISPE, London.

FRANCIS NEWBERY & SONS, Ltd.,

MAY, ROBERTS & CO., Ltd., London.

SANGERS, London.

PREMIER DRUG CO., Manchester. RICHARD DANIEL & SON, Derby.

MACSONS, Ltd., Blyth, Northumber-

BOILEAU & BOYD, Ltd., Dublin.

MAY, ROBERTS & CO., Ltd., Dublin.

HASLETT, Ltd., Belfast.

JOHN MORTIMER & SONS, London-derry.

Stocked by all Wholesalers in Scotland.

EXPORT-W. C. RUDKIN & CO., 44 King William Street, London.

A FEW BROWNIE MEDALS IN PLASTER CAST ARE NOW AVAILABLE. WRITE US, STATING STOCK IN HAND AND USUAL WHOLESALER'S ADDRESS, WHEN FULL PARTICULARS WILL BE FORWARDED.

Makers: JOHNSTON & ADAMS, DUNDEE.





## PHARMACEUTICAL AND

## PHOTOGRAPHIC PRODUCTS

Manufactured by

LA SOCIETÉ CHIMIQUE DES USINES DU RHÔNE. PARIS.

Acid Acetyl-Balicyl (Powder & Crystal)
Acid Salicylic (Powder & Crystal)
Amidopyrazoline
Antipyrin Salicylate (Equivalent to Salipyrin)
Guaiacol Carbonate
Guaiacol Liquid
Guaiacol Pure
Hydroquinone

Paramidophenol Hydrochlor.
Phenacetin
Piperazine
Potassium sulpho-guaiacolate
Pyrazoline (Phenazone)
Resorcin (Medicinal & Technical)
Rhodol (Equivalent to Metol)
Salol

Sodium Hyposulphite
(Pnsmate Crystal)
Sodium Salicylate
Sodium Sulphite
(Anhydrous)
Vanillin

ENQUIRIES SOLICITED FOR SPOT OR FORWARD DELIVERY

RW.Greeffe & Ltd.

HEAD OFFICE:
THAMES HOUSE,
QUEEN ST.PLACE,
LONDON,EC4
T.N.CITY 6550 (BLINES)
TELADD:GREEF, LONDON



BRANCHOFFICE:
PALATINE BANK BUILDINGS;
IO NORFOLK ST.,
MANCHESTER.
T.N.CITY \$706-5707
TEL.ADD GREEFF MANCHISTER.

# Thatmacettical & Photographic Products

(WHOLESALE QUANTITIES ONLY)

Acetanilid

Hexamine

**Bromides** 

Milk Sugar

Calcium Lactate

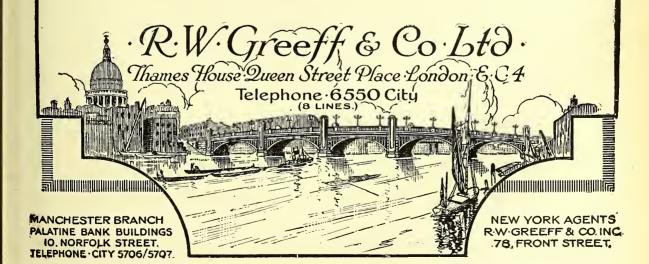
Phenacetin

Chloral Hydrate

Phenolphthalein

Gallic Acid

Terpine Hydrate



## Make a bold display

Of Mentholated Bronchial Lozenges, P., D. & Co., early in the season. Every tin sold now will lead to many more sales later in the winter. The reason of this is that



Supplied in new decorated 1 dozen display cuters.

Mentholated Bronchial Lozenges, P., D. & Co. give satisfaction, and satisfaction means further sales, both by repeat orders and as the result of personal recommendation—the most profitable sales and the best advertising you can have.

Ask for best terms



PARKE. DAVIS & CO.

50-54 Beak Street, LONDON, W.1.

Laboratories -- Hounslow, Middlesex

# Maws



Page

October 28th, 1922.

No. 576.

## The Tooth Brush that pays you Best

# XUERITOR

COTH BRUSH business represents an important figure in the turnover of practically every pharmacist. Therefore the question of which tooth brush you shall concentrate your selling efforts upon, merits your most careful consideration.

Think what you gain by pushing "Meritor" Tooth Brushes, and ask yourself whether it is not the best possible policy to make "Meritor" the mainstay of your tooth brush business.

Not only have you the satisfaction of selling a branded brush of entirely reliable quality, a brush that can be relied upon to give satisfaction and produce repeat business, but there is also the convenience of having a range to cover all reasonable demands.

At the same time there is the selling assistance which the attractive "Meritor" packing and display material gives.

There is lasting satisfaction in the knowledge that when you make "Meritor" sales you are building business which cannot be appropriated by outside traders.



Every "Meritor" sale brings profit to a pharmacist because no other traders are supplied with "Meritor" Brushware.

Order your stock of "Meritor" Brushware to-day.

S. Maw, Son & Sons. Ltd.
Aldersgate St., London,

and Barnet.

Telephoner

City 7

Private

Branch

Exchange

Telegrams Eleven Cent London



Cables: Eleven London Code A.B.C. 44854 Edition

MERITOR

### KIRBY'S

## Glycerine Suppositories.



B.P. 70%, also 90%. TORPEDO OR CONICAL.

PACKED IN GOLD LACQUERED TINS.

INFANT		5/6	
	• •	5/0	PER
CHILDREN	• •	7/-	D07
ADULT		10/-	DOZ.
EXTRA LARGE		5/6 7/- 10/- 14/6	TINS.
		, -	

Name and Address on 3 Dozen.

H. & T. KIRBY & Co., Ltd., WILLESDEN GREEN. LONDON ----N.W.2

# Specially packed Lines for Chemists

Disinfectants- Carbolic and Pine Fluids, all strengths. Pink Carbolic Powder, enamelled tins. Carbolic Tooth Powder. Cloudy Ammonia.

Horse Condition Powders, Colic Drinks, Red and Yellow Drenches. Lambing and Cattle Oils, Foot Rot Paste and Lotion. Embrocation (Veterinary and Household), Seed Dressings, Formalin. Approved Sheep Dips (Liquid), Powder and Paste. Weed Killers (Poisonous and Non-Poisonous), Lawn Sand, &c.

BATTLE, HAYWARD & BOWER (formerly Battle, Maltby & Bower), Victoria Chemical Works, Lincoln.



# 'THE SAVARS' SUNDRIES 1922/3 LIST

THE new issue is now ready. It is a most comprehensive yet compact publication which gives all the information that a pharmacist may require on the Sundry trade in general, including Brushware; Chemical Apparatus; Ambulance and Dispensing Requisites; Earthenware; Glassware; Surgeons' and Veterinary Surgeons' Instruments; Surgical Dressings and Shop Fittings.

Features of the list are the rapidity with which articles can be quickly referred to, the segregation of the illustrations from the matter, and the high quality of the art paper upon which the whole is printed.

We shall be pleased to supply copies on application.





# THE CHEMIST & DRUGGIST DIARY for 1923

The advertisement section of the 1923 Diary will close down in a few days.

If you have not yet secured space to stimulate the sales of your products during next year communicate at once with

Telephone:
CENTRAL
3617
(3 lines).

The Publisher,
42, Cannon Street,
London, E.C.4.

Telegrams:
CHEMICUS,
CANNON,
LONDON
(two words).



(Pain Killing Liniment)

P.J.F. 33/19.



Sighs for new pains to conquer — it draws out the pain. Rub in that selling point to your customer, but don't ask him to rub or massage a joint already agonised by pain. For athletes and sportsmen, a slight application to tired limbs works wonders.

Each package contains a guarantee of money refunded if the liniment fails to give satisfaction.

P.A.T.A. per dozen 12/- 1/6 per bottle per gross 144/-

2-doz. konus quantity with each 6 dozen ordered.

Cinema Slide (see illustration) supplied with your name and address for exhibition at local cinema.

Special packings for export—prices on application.

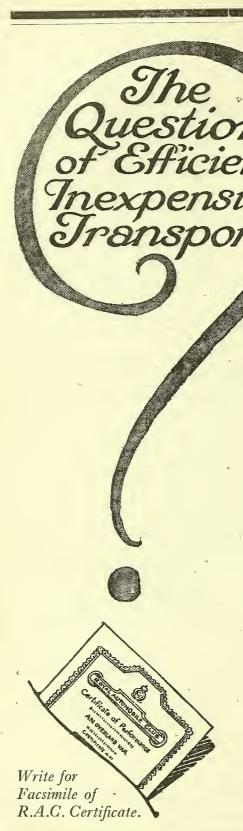
AYRTON, SAUNDERS & CO., LTD.

Manufacturing Chemists,

LIVERPOOL, ENG.

Telegrams: "Sundries, Live pool."





## ANSWERED

by the reduction in Price of the



## Proof of Performance

Under R.A.C. observation a fully-loaded Overland Van covered 1264 MILES on 1/2 gallon of Oil and averaged 41.54 ton m.p.g. or 28.21 road m.p.g.

Further—despite the fact that a maximum altitude of 1450 ft. was reached.

## First Speed was never used!

Simple to operate and maintain, and fitted with Three-Point Suspension (exclusive to the Overland) this Van forms the quickest, safest and most inexpensive method of transportation.

Price \_\_\_ £240

Write for particulars, or better still let us arrange a trial run.

# WILLYS OVERLAND CROSSLEY, LIMITED.

British Factory and Sales Dept.: Heaton Chapel, Manchester. Showroom: 151-153 Great Portland St., London, W.l. London Service Depot: 111 Lots Rd., King's Rd., Chelsea, S.W.

Miller Wall Strate Line





"Distol" Oriental, Nubian Poppy, Bouquet, Passion Flower, Tréfle, Orchid and Royal Orchid are all variations of this theme. An ounce of any of them costs 7/6 and makes 80 ozs. of choice perfumery by

An ounce of any of them costs 7/6 and makes 80 ozs. of choice perfumery by the mere addition of S.V.R. and Aq. Dest. Write now for samples of six oriental perfumes made under commercial conditions from "Distol" Ottos.

THOMAS KERFOOT & COLUMN BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1

COPYRIGHT

# IODISED THROAT TABLETS

"THE SURE SHIELD BRAND."

8½d.

5/6 per dozen. 63/- per gross.



1/3
TINS.

9/6 per dozen. 108/- per gross.

Now advertised in the Daily and Evening Papers as under:

London Chronicle. The Daily Express. Daily Dispatch. Liverpool Echo. Yorkshire

Evening Post, Newcastle Evening Chronicle.

Sheffield Telegraph & Star.

Birmingham Mail.
Nottingham

Evening Post-Leicester Daily

Mercury. Manchester

Evening News, South Wales Echo. Bristol Evening

Times.
Belfast Telegraph.
The Irish Times.
Western Evening

Staffordshire

Sentinel.
Glasgow Evening
News.

Herald.

The Era.

THE most popular and effective throat tablet—no greater testimony can be made than, although the brand has never previously been publicly advertised the sales have consistently increased month by month.

We supply a full range of display material, and with opening orders send free samples. Can we send you a sample gross order, assorted, with 9 dozen samples carriage paid as under:

9 doz. 8½d. tins 2 7 3 3 doz. 1/3 ,, 1 7 0

£3 14 3

Retail Price 9 doz. 8½d. tins 3 16 6

9 doz.  $8\frac{1}{2}$ d. tins 3 16 to 3 doz. 1/3 , 2 5 0

£6 1 6

Showing a Profit of £2 7 3

THOS. GUEST & CO., Ltd., Ancoats, MANCHESTER.

# The Bacterial Purity of Glaxo

Glaxo is controlled by daily bacteriological tests, first of the milk before it is dried, then of the powder after drying, and again as it is packed in the tins sold to the public. No ordinary dried milk is thus controlled.

The daily bacteriological control of Glaxo is but one of the many steps taken to secure supreme quality. Other important measures are, continuous inspection of cows and farms to ensure cleanliness and healthiness, strict supervision of manufacture and packing to eliminate every possible source of contamination, and daily chemical analysis to secure uniformity of composition. Glaxo is, therefore, bacterially pure, of unvarying composition, and free from all contamination.

Comparative Average Bacteriological Figures for Various Milks.

	Ordinary Milk,	Grade A (Certified) Milk.	Ordinary Dried Milks.	Recon- stituted Glaxo.
Agar Count	10,500,000*	30,000†	450	79
B. Coli absent from	per c.c. 0.001 c.c.	per c.c. 0.1†c.c.	per c.c. 10 c.c.	per c.c. 10 c.c.
B. Welchii absent from Gelatin Count —	1 c.c. 1,000,000	5 c.c. 10,000	50 c.c. 50	75 c.c. 6 per c.c.
Liquefiers Non-liquefiers	per c.c. 4,000,000	per c.c. 15,000	per c.c. 250	49
Streptococci	per c.c. 10,000	per c.c. 100	per c.c. 20	per c.c. 8 per c.c.
	per c.c.	per c.c.	per c.c.	

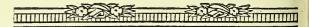
\*Average of 27 samples given in the Final Report on Production and Distribution of Milk. †Permissible Limit,



## The Super-Milk

We guarantee that all dried milk sold under the trade mark GLAXO is made by the Glaxo process in the Glaxo factories in Australasia. These factories are under our own immediate supervision and management and the milk is obtained from cows that feed on good, green grass, rich in vitamins, all the year round.

GLAXO, 56 OSNABURGH STREET, LONDON, N.W.I.



## Lorimer-Marshall, Ltd., for PACKED GOODS

Cod Liver Oil Emulsion Children's Cough Mixture Children's Tonic Balsam of Honey

Honey & Lemon Linctus Lung Tonic Tonic Elixir Meat & Malt Wine

AT KEENLY COMPETITIVE PRICES.

LORIMER-MARSHALL, LTD., 12 Tower Hill, London, E.C. 3

Works Telephone: New X 2119.

Telegrams: "Lorimarsco, Bilgate, London."

# ONE HUNDRED

Manufacturers, occupying double the amount of space than has ever been known for a

## CHEMISTS' EXHIBITION

will be represented at

## **MANCHESTER**

November 20th to 25th

Organised by PROVINCIAL EXHIBITIONS, LTD.

HEAD OFFICES: City Hall, MANCHESTER.

ን- ଫୁ ଅନ୍ୟର୍ପ ଅନ୍ୟର ଅନ

Organisers of One Hundred and Forty Exhibitions in Eighteen classes of Trades

NOT CONNECTED WITH ANY PARTICULAR TRADE JOURNAL, BUT SUPPORTED BY THE BEST.

H. RAAB & CO.
ROERMOND, HOLLAND.

Manufacturers of

Base Perfumery Products and Flower Oils.

## - RACO -

MUSK AMBRETTE c.p. 100°/.

MUSK KETONE c.p. 100°/.

MUSK XYLOL c.p. 100°/.

OLEUM-MUSK art.

generally regarded as the STANDARD.

Sole Representative for the U.K.:

ALFRED PAUL WHITE, 5 Water Lane,

Gt. Tower Street, LONDON, E.C. 3.



WITH US

Your help in our huge advertising campaign is invaluable. Through the Press ("Daily Express,""Daily Mirror," "Daily Sketch") and the Ladies Journals we are distributing weekly we are distributing weekly to the Chemist. Many Chemists are sending us weekly 300-400 coupons are sent to us by purchasers whose Chemist has no stock. To show the 5,000,000 sixpenny Coupons and which we in turn credit each—but many thousands public the Chemists who stock Areco

WE GIVE THIS ADVERTISING SIGN FREE WITH A £10 ORDER.

Make up your order from our Price List, or allow us to send a representative selection—your best sellers—which can be exchanged if unsuitable for your locality. Display Stands and forceful selling matter with each order.

CREME FIAMETTE EAU DE COLOGNE POUDRE SALTERELLE CONC: PERFUMES NAIL POLISH BRILLIANTINE COLOGNE SOLID BRILLIANTINE C.P. 10d, S.P. 1/3 C.P. 1/2 S.P. 1/3 C.P. 3/s S.P. 4/6 C.P. 6/2 d. S.P. 1/3 C.P. 6/2 S.P. 1/2 C.P. 4/2 d. S.P. 1/3 C.P. 4/2 d. S.P. 4/2 d. S.P. 1/3 C.P. 4/2 d. S.P. 4/

POUDRE BERCEUSE DE FLEUR C.P. 1/- S.P. 1/6 (SIFTER BOX-PUFF & MIRROR), etc.

PARTICULARS OF

PARTICULARS OF

A DVERTISING SIGN.

A STRONG METAL REFLECTING CONE, 16 in. in diameter, holds a white opal glass disc, the front and back of which is painted in striking artistic colours. A patent flashing apparatus causes the light to flash every alternate 3 seconds. When the light is out, only the first outside advertisement is seen; but when the light is on, the back advertisement is also thrown into striking

when the light is on, the back advertisement is also thrown into striking relief, and the lady is shown holding the bottle of Areco perfume. The complete lamp is fixed in one second to any existing light in your window; just take out a bulb and fix in the socket the plug of this advertising lamp. The cost of running is only five hours a penny! The attractive power of a 16-inch disc, throwing a double effect artistic coloured advertisement to the passing public, can readily be imagined.

Areco Selling Agents:

Areco Selling Agents:
BOYD WILSON & CO.,Ltd. 18 Southwark Street, London Bridge.



## LOROP

HIGHEST QUALITY.

ABSOLUTELY PURE.

UNIFORM DELIVERIES.

Oil soluble. Blue Shade. CHLOROPHYLL C. CHLOROPHYLL CG. Oil soluble. Yellow Shade. CHLOROPHYLL S. Water and spirit soluble.

THE SANDOZ CHEMICAL CO. LTD., BRADFORD.

DODGE & OLCOTT CO., LONDON, E.C. 3.

20 MARK LANE,



THE "D & 0" BRAND

is the "Standard of Quality" for

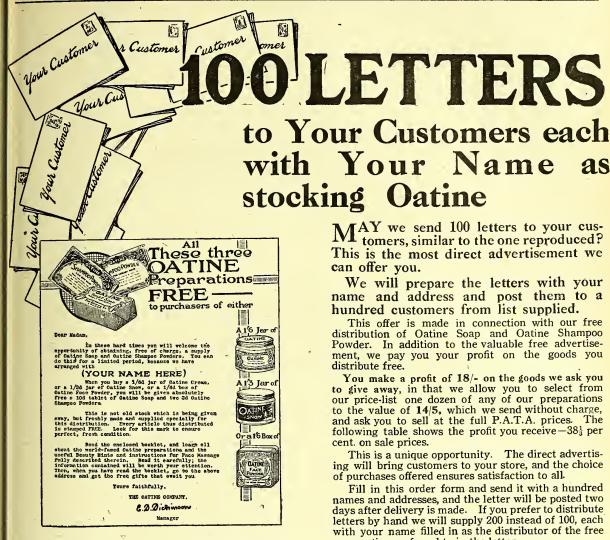


OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT. SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu. TONKA BEANS, Angosturas.

Phone CITY 2468.

"EGDARF, FEN, LONDON."



#### ILLUSTRATION OF BONUS OFFER

						Cos		Sale Pric	
						£ s.	d.	£ s. d.	s. d.
2	doz.	1/6 C	atine	Cream @ 14/5		1 8	10	1 16 0	7 2
1	,,	1/3	,,	Snow @ 12/-		0 12	0	0 15 0	3 0
1	,,	1/6	,,	Face Powder @	14/3	0 14	3	0 18 0	3 9
4	.,	10d.	99	Soap Cakes		n/c		n/c	_
8	12	3d.	,,	Shampoo Powde	e <b>r</b>	n/c		n/c	_
1	,,	1/6	"	Brilliantine (or	such )=				
	oth	er Prep	parati	on as you select as bo	onus }	n/c		0 18 (	18 0
	tor	distrib	ution	of above free article	es) J	£2 1	- 1		
23	L 0/	12		30 Jana	a de cor	12 1	, 1	_	_
43	70 ii	alsco	date.	r payment 30 days	arter	0 1	5	_	1 5
						£2 13	8	£4 7 0	£1 12 4
			٠.	- 4		44 1		24 / 0	21 13 4

#### Showing a PROFIT on SALE PRICE of 38\frac{1}{3}\%

Oatine	Balm	-	11/3 doz.
99	Tooth Paste -	-	12/- "
,,	Talcum Powder	-	12/- ,,
"	Shaving Stick	-	12/- ,,
	Casaana		19/

The OATINE CO. Oatine Buildings, LONDON, S.E.I.

MAY we send 100 letters to your customers, similar to the one reproduced? This is the most direct advertisement we can offer you.

We will prepare the letters with your name and address and post them to a hundred customers from list supplied.

This offer is made in connection with our free distribution of Oatine Soap and Oatine Shampoo Powder. In addition to the valuable free advertisement, we pay you your profit on the goods you distribute free.

You make a profit of 18/- on the goods we ask you to give away, in that we allow you to select from our price-list one dozen of any of our preparations to the value of 14/5, which we send without charge, and ask you to sell at the full P.A.T.A. prices. The following table shows the profit you receive -381 per cent. on sale prices.

This is a unique opportunity. The direct advertising will bring customers to your store, and the choice of purchases offered ensures satisfaction to all.

Fill in this order form and send it with a hundred names and addresses, and the letter will be posted two days after delivery is made. If you prefer to distribute letters by hand we will supply 200 instead of 100, each with your name filled in as the distributor of the free preparations referred to in the letter.

#### ORDER FORM

To THE OATINE CO., Oatine Buildings, London, S.E.1 Please send me, under the terms of your offer, the following Oatine Preparations

Carriage Paid					
4 2 2	2 doz. 1/6 jars of Oatine Cream @ 14/5 1	f. s. d. 4 1 8 10 0 12 0 0 14 3	£ s. d. 2 17 8 1 4 0 1 8 6		
8 16	Also FREE OF CHARGE— 4 doz. 10d. tablets of Oatine Soap 8. pks. of Oatine Shampoo Powder (these will be equally divided between the Shampoos for Dry and Oily Hair, unless otherwise specified)	n/c n/c	n/c n/c		
2	Also as my bonus for the above Free Distribution to be sold at full P.A.T.A. prices.  1 doz. of	n/c	n/c		

Address

\* Cross out Column not required. The proportions between Cream Snow and Face Powder may be varied, but not less than 4 dozen will be supplied on these terms.

## The Grey Hair Problem

Solved by A New Discovery

Colour Restored Gradually Permanently Safely

Nuctone, the discovery of an eminent Hair Specialist, has completely solved the Grey Hair Problem.



acts on an entirely different principle from any other preparation by restoring to the cells of the hair those pigments which Nature has ceased to supply, the colour coming gradually, through the action of light and air.

Nuctone is guaranteed not to contain sulphur, lead or any other injurious ingredient.

Nuctone for dark shades, Nuctone Eclaire for blonde and

Retail Price 6/6 per bottle

Manufactured by

Stewart, Goodall & Dunlop, Ltd., 4 Dering St., London, W.1.

Stocked by all the leading Wholesale Houses.

## "A Line That Sells Itself."



Finest Quality Concentrated Perfumes made from natural flower oils in the following odours :-

PARMA VIOLET LILY OF THE VALLEY WALLFLOWER

WHITE LILAC WHITE ROSE &

Free from spirit. Supplied in High-Class Rod-Stoppered Hexagon Bottles.

Apply to-

RUVOIRE ET CIE,

154 Church Lane, Harpurhey, MANCHESTER 

## PERFUMERY, TOILET ARTICLES,

and SUNDRIES

by leading British, American and Continental Manufacturers can be supplied in wholesale quantities. Price list on application to

A. B. MEIKLE, Red Lion House, Red Lion Ct., London, E.C.4.

## **OATINE Bonus Offer**

See terms on Back of this Page.



FOR COLOURING GREY HAIR

This popular article is largely advertised and etocked by all Wholesale Housee. Trial Stac 8d., per poet 10d. 1/4 eize, per post 4/5; 2/6 eize, 6/2 doz., 1/4 eize 12/- doz., 2/6 eize, 6/2 doz., 1/4 eize 12/- doz., 2/6 eize, 6/2 doz., 3/8 eize, 8/2 doz.

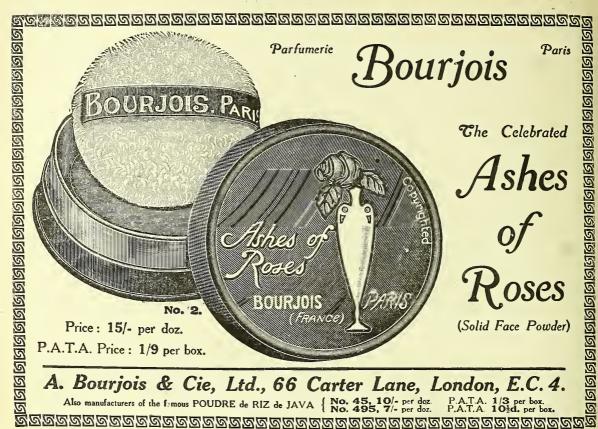


## is now supreme

he accumulated evidence of two years' ever increasing prosperity has definitely proved Pears' Golden Series the most remarkable success that has ever been achieved in the Trade. This is not boasting. We are delighted at such a triumph, of course, but we do not attempt to exaggerate it; the bare facts of ever increasing sales, even through one of the darkest periods of industrial history, are far more effective than any vague and vainglorious statements could possibly be



A. & F. PEARS, Ltd., 71-75, New Oxford St., LONDON, W.C. 1.



## **SPONGES**

Honeycomb, White and Brown Turkey in original cases.

Fresh consignments just arrived, which we offer at:—

## **Greatly Reduced Prices**

Send your Enquiries to-

Société Anonyme CHIAPAS,

SPONGE IMPORTERS.

32 Queen Victoria Street, London, E.C.4.

No connection with any other firm.





GREASE PAINTS, Etc.

Sole British Agents-

VANITIES LTD., 15a Whitcomb Street, Pall Mall East, London, W.C. 2.

## G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BRITISH

Please write for full Particulars to-

75 Farringdon Road, E.C.1.

# A MILLION FREE GIFTS are making "Harlene" customers for YOU!

# EDWARDS' HARLENE TOILET SPECIALITIES

FOR

30 YEARS
THE PREMIER
PREPARATIONS
FOR ALL TOILET
NEEDS

" HARLENE"

FOR THE HAIR

"UZON" BRILLIANTINE

"CREMEX"

SHAMPOO POWDERS

"ASTOL"

FOR GREY HAIR

"ASTINE"

VANISHING CREAM

"ASTINE" TOOTH CREAM

"ASTINE" SHAVING STICK

"ASTINE" NAIL CREAM

We have convinced millions of men and women of the merits of our products.

DON'T BE "SOLD OUT" when they come to you.

REPLENISH YOUR STOCK NOW

FOR PARTICULARS, TERMS, ETC., WRITE-

## EDWARDS' HARLENE LIMITED,

20, 22, 24 & 26 LAMB'S CONDUIT STREET, LONDON, W.C.1

## POPULAR LINES

When you stock Silkodono and Shonpone you are assured of profitable and recurring sales. Demand has been fostered by extensive advertising in leading newspapers and magazines and by distribution of thousands of Free Samples. Silkodono and Shonpone always give satisfaction to your customers as they do everything we claim for them and in addition represent particularly good value. Not only do we give you very favourable terms on these two lines but to further aid your distribution we supply beautiful Showcards, Dummy Cartons, Handbills, etc., all free upon request. Why not have your share of these profitable sales?

#### SILKODONO BONUS TERMS for this Month.

1/6 SIZE

Wholesale Price, 12/- per dozen, 2/6 SIZE.
Wholesale Price, 20/- per dozen, 4/6 SIZE.

Wholesale Price, 36/- per dozen.

## AND6 Bottles extra with orders for 3 dozen. Net Profit 27/- on Outlay of 36/-6 Bottles extra with orders for 3 dozen. Net Profit, 45/- on Outlay of 60/-6 Bottles extra with orders for 3 dozen, Net Profit 81/- on Outlay of 108/-

SACHETS

#### for Washing the Hair

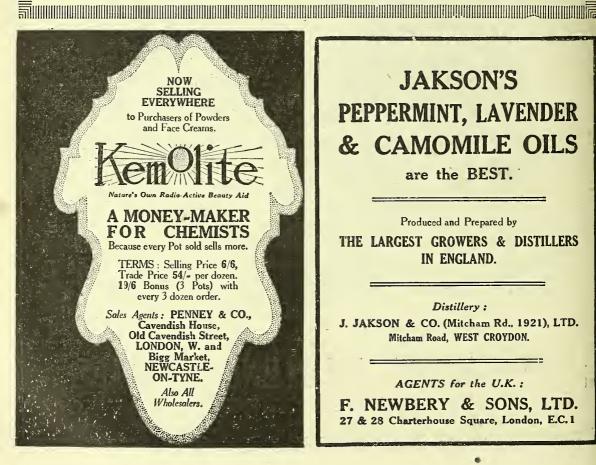
Shonpone Shampoo Sachets are creating a steady demand which it is well worth your while to cultivate. Its delicious perfume and refreshing effect after use will give it a world-wide popularity. Dainty cartons will be sent on request. These make effective Window Displays. If you would like to test the virtues of Shonpone yourself we will willingly send you a 4d. Sachet, FREE OF CHARGE.

#### SHONPONE BONUS TERMS for this Month.

Shonpone Sachet, wholesale 2/6 per dozen, to sell at 4d. each. We will supply as a trial order three dozen Sachets for 7/6, and include 6 Sachets absolutely free of charge and post paid.

Dainty Cartons to hold four Sachets will be sent on request, 4d. Sachet, free of charge, sent for testing.

SILKS TOILET 8-9 Red Lion Street, HOLBORN, LONDON, W.C. 1.



## **JAKSON'S** PEPPERMINT, LAVENDER & CAMOMILE OILS

are the BEST.

Produced and Prepared by

THE LARGEST GROWERS & DISTILLERS IN ENGLAND.

Distillery:

J. JAKSON & CO. (Mitcham Rd., 1921), LTD. Mitcham Road, WEST CROYDON.

AGENTS for the U.K. :

F. NEWBERY & SONS, LTD. 27 & 28 Charterhouse Square, London, E.C. 1

A STRIKING NOVELTY BY DEARBORN LIMITED.



OINTMENT
Retails at

1/3
PER BOX

DR BUCHANAN'S

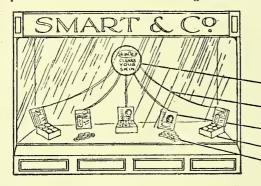


SOAP Retails at

PER TABLET

## WILL INCREASE YOUR SALES

To our old established and popular remedy, Dr Buchanan's Skin-Clear Ointment we have added a companion in Dr. Buchanan's Skin-Clear Soap. These two lines are together being re-marketed in new modern and attractive get-up including designs for Cartons, Showcards and Window Displays. In addition, we contemplate launching an extensive advertising campaign as soon as retailers obtain supplies. We honestly believe Dr. Buchanan's Skin-Clear to be one of the most wonderful remedies for skin diseases on the market, and it finds a ready sale with an appreciative public. Sold under P.A.T.A. regulations at full face value.



## FREE WINDOW DISPLAY

We illustrate a window show of Dr. Buchanan's Skin-Clear Ointment and Soap which is supplied FREE to all retailers stocking Skin-Clear. Can be fitted to Window space of any size. Your profit begins with the Display.

- 1. Centre Disc 15 inches diameter fitted to centre of window pane about eye level.
- 2. Ribbons running from centre of back of Disc to display.
- 3. Showcards of (a) Ointment (b) Soap.
- 4. Dummy boxes of (a) Ointment (b) Soap.
- 5. Dummy cartons.

The OINTMENT



This has already had a wonderful sale and is become increasingly popular with the public as a positive cure for all skin and blood diseases. You can easily sell a gross per week.

A new companion remedy for use with the ointment and as a safeguard against all skin eruptions. It will prove a quick seller and will show a good profit for you.



TRADE TERMS

1/3 (P.A.T.A. 1/3 nett) SKIN-CLEAR OINTMENT 9d. (P.A.T.A. 9d. nett) SKIN-CLEAR SOAP 10/- doz, 6/- "

Send your order for Display and Particulars NOW

POTTER & CLARKE LTP

Manufacturing Chemists.
60-64, ARTILLERY LANE, LONDON E. I.

# EUCRYL DENTURE POWDER

During the present year,

2,679

Dentists have given

## **Eucryl Denture Powder**

the favour of their personal recommendations.

Are you stocked with this preparation? If not, you are losing a sure source of good business and generous profits.

An efficient cleanser and antiseptic for artificial teeth and denture plates

Retail (P.A.T.A.) Price 7½d. per box

SUPPLIED TO CHEMISTS ON OUR USUAL BONUS TERMS

Price List and Trial Box post free on application

EUCRYL, LIMITED

[Sales Department]

SHIRLEY, SOUTHAMPTON

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Inn Road, Gray's LONDON, W.C.1.

Toilet Specialties.

1 Ottet	Dpeci	utt						
	-		Price per doz.	Selling Price				
PILENTA SO.		t	o Retailer 10/-	P.A.T.A.				
PROLACTUM	soap.	•••	10/-	1/-				
PARSIDIUM J	ELLY	•••	10/-	1/-				
ALLACITE OF ORANGE								
BLOSSOM			22/6	2/6				
BORANIUM			22/6	2/6				
CLEMINITE For a face los		•••	<b>22</b> / <b>6</b>	2/6				
COLLIANDUM For a face tin	I	•••	<b>22</b> /6	2/6				
PERGOL	• •••		22/6	2/6				
TEKKO PAST			22/6	2/6				
STALLAX			22/6	2/6				
JETTALINE		•••	31/6	3/6				
PHEMINOL A depilatory.	ne skiii.	•••	36/-	4/-				
MENNALINE For the eyela	ches	•••	36/-	4/-				
MERCOLIZED	WAX	•••	31/6	3/6				
STYMOL			36/-	4/-				
SILMERINE		blackh	eads. 22/6	2/6				
BARSYDE Dandruff erad	• • • •	•••	22/6	2/6				
TAMMALITE For grey and t	***	•••	22/6	2/6				
LIQUID PERG	OL		31/6	3/6				
BICROLIUM For whitening		•••	22/6	2/6				
HARAPOSA	•••	•••	22/6	2/6				
COCONOIDS	•••	•••	31/6	3/6				
The Products of								
Messrs. PARKER, BELMONT & CO.								
CLYNOL BER	PTEC	ſ	36/-	4/-				
For obesity.	INTERS	f	58/6	6/6				

SOFT PALERIUM ... 45/-5/-

LIQUID NAIL POLISH ... Brilliant and lasting.

Stocked by ALL Wholesale Houses.

#### COLONIAL DEPOTS AND AGENCIES.

COLUNIAL DEPUIS AND AGENCIES.

Australia: ALL WHOLESALERS, & DEARBORN (Australia), Ltd., Grace House. Clarence Street, Sydney.

South Africa: LENNON Ltd, Cape Town. etc. SIVE BROS. & KARNOVSKY, Johannesburg.

India: FRAMJEE, & SON. Bombay.

SMITH, STANISTREET & CO., Calcutte.

New Zealand: SHARLAND & CO., Auckland & Wellington.

South America: DEARBORN (South America), Ltd., Calla Salla 264, Buenos Aires

Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singanore.

HALL, Ltd., Singapore.  Toilet Paraffins and Brilliantines



TTRACTIVELY packed good selling lines in Toilet Paraffins and Brilliantines, highclass preparations which will command a ready sale.

Made from carefully selected oil and perfumed with tinest quality essences, these preparabe contidently recommended and will give satisfaction to your customers.

You can select your own label from samples of decorative labels we supply.

> DEPT., SPECIALTY

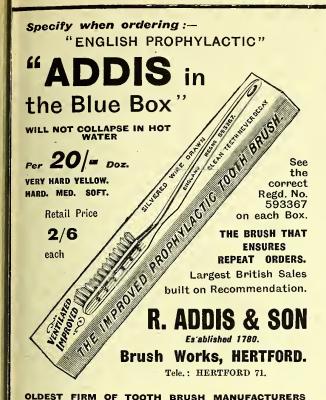
> > THE

#### OIL CO., Ltd. ANGLO-AMERICAN

SEMPROLIA WORKS,

ALBERT STREET, CAMDEN TOWN, N.W. 1.





IN THE WORLD.

Sold by the following Wholesale Druggists:-LONDON.

Amor, W. W., Son & Co. Barclay & Sons, Ltd. Butler & Crispe Baiss Bros. & Co. Britton, Malcolm & Waymark, Ltd.

Bourne, Johnson & Co., Ltd.
Geo. Curling, Wyman & Co. Dakin Bros., Ltd.
Edwards, W., & Son
Ferber, Robt., Ltd.
Sayers Silcox, Cuzner
& Co., Ltd. Galen Manufacturing

Co., Ltd. [Ltd. LIVERPOOL. Hewlett, C. J., & Son Ayrton, Saunders & Healey, Royle & Co. Hay, J. B., & Co. Higgins, G. & Co. May, Roberts & Co.Ld. Newbery, F., & Sons Ltd. Osborne, Garratt &

Co., Ltd. Reuter, R. J. Rippin, J. Sangers

Schutze, F., & Co., Solport Bros. Sutton, W., & Co. Taffs, H. F., & Co.

BIRMINGHAM.

Parton, Son & Co., Ltd. Southall Bros. & Barclay

CARDIFF.

Newbery, F., & Sons, Ltd.

GLASGOW.

Burns, Petrie & Co. Lorimer & Moyes, Ltd. Munro, M'Laren & Sutherland,

& Co., Ltd.

LIVERPOOL.

Co., Ltd.

MANCHESTER.

Clunie & Co. Chemists Sundries, Ltd. Harper, C. W. Harrison, Chas., & Sons Heath Bros. Millner, R. M. Place & Co. Quilliam, J., & Co. Woolley, Sons & Co. [Ltd. Ltd.

> NEWCASTLE. Hall Forster & Co. Ltd.

The "PROPHYLACTIC" TOOTH BRUSH, manufactured by **ROBERT ADDIS & SON,** is protected by law: Reg. No. 593,367. We have instructed our solicitors to take action against any person manufacturing or selling, by wholesale or retail, brushes infringing our rights. Chemists having any doubtful stock should return same to the firm they have purchased them from, unless bearing Reg. No. 593,367.

These superior Moulded Combs, with Burr-Grailed Teeth, are being offered at Reduced Prices.

BLACK CELLULOID. UNBREAKABLE WITH ORDINARY USE.

Size 84 by 13 ins. 7/- per dozen.



8½ by 1¾ ins. 7/- per dozen.
"GRIPWELL" HOLLOW-BACK COMBS.
All sizes and Patterns in stock. VULCANITE TOOTH COMBS. All sizes. Immediate delivery. Lowest quotations. Price List on Application.

Terms: 5% Cash with order. Carriage Paid. 21% Monthly on Approved References H. WISEMAN, 42-43, Gutter Lane, London, E.C. Telephone: City 9164



Don't risk your customer "coming back" for his first bottle of Hair-Root-Life—have it in stock. An intensive advertising campaign has already started and the demand will be good and steady. Your Wholesaler has backed this forecast with a substantial order. Retail 1/3, 2/9, 5/-, and shows you big profits.

Manufacturers :-

J. Copeland & Co., 65 Devonshire St., Manchester.

## CORRUGATED PAPER,

Waterproof Papers, Gummed Paper Tapes, etc. etc. ENQUIRIES SOLICITED.

THE CORRUGATED PACKING MATERIALS CO., LTD. West Mill, Oxford Street, Ashton-under-Lyne.

Telephone:

Telegrams: "Corrugated."



The

## HENNA CULT

of Hair Beauty, based on the famous

EVAN - WILLIAMS
ORIGINAL

#### HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of terms and prices in the current issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order



Wholesale only:
THE EVAN-WILLIAMS CO., LTD.
15 Ogle Street - LONDON, W. 1.

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## **CHRISTMAS**

## **PRESENTS**

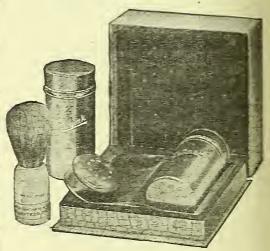
Bring some of the Christmas Present trade to Your shop, by showing these on the counter.



No. 1085.

Show case containing six different Real Badger Shaving Brushes, each in elegant Box. Christmas card showing donor's name, date, and an appropriate verse with each Brush.

SELLING IN THOUSANDS



No. 1077.

Elegant Combination Case, containing Travelling Brush and Shaving Soap, each in gilt boxes.

Send these illustrations to your Wholesaler. He can supply you.

In seven varieties Sandal ' Lavender Verbena White Violet Eastern Bouquet Lemon Scented Eau de Cologne



HE superfine quality of Gibbs soaps is a maxim amongst the public as in the trade—add to this fact a handy shape, tasteful wrappers in beautiful colours, dainty seals, seven varieties appropriately scented, and attractive show-boxes: and you have in Gibbs Bathlets a line with an almost irresistible appeal.

With every order for six dozen tablets one of the handsome show boxes as depicted above is given free-this is a sure businessbringer, making a handsome display—a bright splash of colour—in your window or showcase. Send a trial order now, and you will quickly be convinced of the sterling money-making possibilities wrapped up in Gibbs Bathlets.

Gibbs Bathlets make handsome Xmas Gifts if sold in the Show Boxes. Be sure you include them in your Xmas Gift display.

PRICES:

Per doz. tablets

6 tablets in every ½-gross packed in above Show Boxes without extra charge.

Packed all in Show Boxes (for Christmas Gifts)...... 10/-

Usual Discounts.

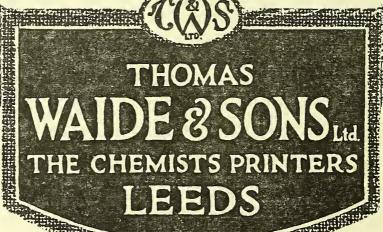
D. & W. GIBBS Ltd. (Dept. S 23) City Soap Works LONDON E.I

# Drinting Sells your Goods.

Chemists' Printers." We claim to be "The Chemists' Printers." We claim to turn out Printing with just that degree of distinction necessary to make the public buy. But we are interested parties and we prefer to let our work speak for itself.

Therefore, we suggest you send a Postcard asking to see specimens of representative SHOWCARDS, CARTONS, LABELS, WRAPPERS, CATALOGUES, WINDOW BILLS, and other things we print.

Examine the quality of the printing and general get-up, together with the price, and your conclusions will result in trying us with confidence with grant your next printing order.







# On November 2nd

OUR Nupines National advertising scheme commences on the above date; generous spaces have been booked in over 40 of the leading morning and evening papers circulating all over the United Kingdom, and a special feature is being made of the new Sanitape method of packing.

Will you back up this effort by displaying Nupines in your window? One gross and over sent in free case, carriage paid. Full window display with three gross.

Nupines are as perfect as pine tablets can be made; pleasantly pungent, just the right combination of ingredients to produce a bite and flavour the public like. The profit is right, the retail price—P.A.T.A. 6d.—prevents cutting.

Supplies either direct or through wholesale houses.

Nupines are supplied Sanitape packed, 40 tablets in a carton, this method is hygenic, water and air-tight, preserving the contents in perfect condition, even in a damp atmosphere.



An attractive Window Display with all orders for 3 gross

48/-

W.B.CAR HIGHT LEEDS
RAWDON LEEDS
LEEDS
Mor. Tooland.,
1997-199 CONTRACTOR ST. CHRISTONICH
SCO. FUNDESS LANE. MELECULOR.

48/-

PER GROSS

GLASGOW: BATH CHAMBERS, 65 BATH ST. Tel.: Douglas 459. LONDON: 37 RED LIDN ST., HIGH HOLBORN. Tel.: Chanc. 7416.

# C. MELIN & CO.

ESTABLISHED 1865.

7 INDIA ST., CRUTCHED FRIARS, LONDON, E.C. 3.

VACUUM FLASKS
MEDICAL FLATS
GLASS AMPOULES

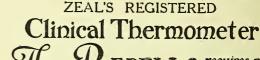
TUBES PUSH-ON CAPS AND CORKED

**BOILING FLASKS** 

AND BEAKERS

DRUGGISTS' GLASS
FILLERS OR FUNNELS

DIRECT FROM THE WORKS. WHOLESALE AND EXPORT.



A 30-second pushed back in an instant.



NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical on the Market

OUT OF FOCUS

' The square mark engraved on lens front locates the Mercury column Immediately.
SPECIAL AWARD AND COLO MEDAL. NEW ZEALAND, 1907
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LOHDON, 1913.
All Clinical Thermometers are N.P.L. Tested.

G. H. Zeal, Ltd., 82 Turnmill Street, London, E.C. I.

Wholesale Manufacturers of Clinical Thermometers.
Contractors to H.M., Government.

Established 1888 Tel. No.: Central 12438.







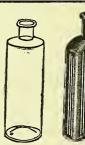
GLASS BOTTLES

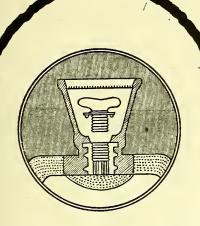
Medical Flats, Panels, Vials, Poisons. Kalis, Limes and Feeders.

Wholesale and Export.

Samples and Prices on application.

FARROW & CO., 87 Borough High St., LONDON, S.E. 1.





hot water bottles in preference to others and it is good business. The patent neck is a great improvement and will give satisfaction to your customers. Instead of wiring, you get a solid rubber neck built in the bottle itself. There is no washer to perish. The flange of the screw top engages with a solid rubber platform shaped in the neck. The "Ronoleke" is the only perfectly water tight rubber bottle and, of course, it is infinitely stronger and will outlast any ordinary make. In every way, it is a high quality production.

The prices are protected by the P.A.T.A. and there is an ample margin of profit.

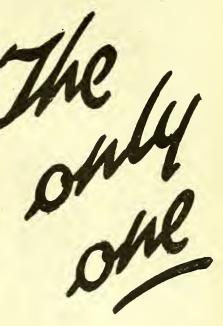
# Ronoleke

Super	Red
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SIZE			Wholesale	
	Prices	Prices	Prices	Prices
8 x 10	6/≖	9/=	4/8	6/6
8 x 12	6/8	10/≖	5/3	7/-
10 x 12	7/8	11/6	6/-	8/-

£5 orders and over less 5% plus a further 5% for cash in one month from cate of invoice.

Ø



The "Ronoleke" advertising campaign will remind your customers repeatedly through the winter that the "Ronoleke" is the only perfectly water tight rubber hot water bottle. This campaign is concentrated in national newspapers chosen for their immense circulations. Make a feature of "Ronoleke" and clinch sales already half made.



# P-TO-DATE GLASSWARE

WHERE CAN I GET IT? GET IMMEDIATE DELIVERY? ARE THE PRICES RIGHT?

To the above questions the answer is "Yes, at JULES LANG & SON." Call, write, or phone us your enquiries NOW





BOTTLES, Jars, Chemical and Laboratory Glassware

in immense variety.





MEDICAL.

JULES 6 LANG Over 60 Years - Charlton Place ~ Islington Charlton Works LONDON, N.1.

(Opposite Agricultural Hall.)

Telephones: North 2770-2 (3 lines). Telegrams: "Assorted, Phone, London."

Codes: A B C, 5th Edition. Scott's roth Edition (1906).
Bentley's Complete Phrase Code.

WHEN ENQUIRING, PLEASE MENTION THIS PAPER.

(Formerly Proprietor of E. YOULDON, Established 1840) FOR ALL KINDS, WRITE TO- FREDK. YOULDON Portland House, 73 Basinghall St., London, E.C.2 "Yould



Medicals (plain and graduated), Flat Dispensing, Panel Flats, Poisons, Limes, Kalis, Emulsions, Tobins, Vials, Tablets, &c. &c.

111 Dalston Lane, LONDON, E. 8.

Phone: Dalston 1456.

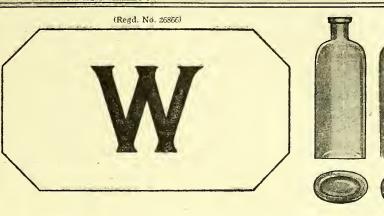
**Highest Quality** in WHITE FLINT, ACTINIC GREEN,

PALE GREEN, AMBER, BLUE.

0 0

LOWEST PRICES.





# Dispensing Bottles

The therapeutic value of suggestion is recognised by medical science.

Vour Dispensing Bottles should suggest to the patient the quality and virtue of your drugs.

Use, therefore, W Bottles which Dispensing for genera= tions have been regarded as the best.

In ten different styles and in full ranges of sizes and graduations. Lettered with Chemist's name and address if so required.

Obtainable through all the leading dealers.

WOOD BROTHERS GLASS CO., LTD, BARNSLEY, ENGLAND,

Established 1828.













# ADVERTISERS WANT PROOF -NOT PROMISES!

Here is ample proof that it pays to Advertise in the CHRISTIAN HERALD.

# £3,000 for £26:10:0

OVER 6,000 SATISFIED CUSTOMERS FROM READERS OF THE "CHRISTIAN HERALD."

A Leicester Boot and Shoe Manufacturer writes on January 1st, 1921—
"The total business done from our original advertisements in February and March 1920, runs into over £3,000 to date. The original advts. cost £26 10s. 0d.

# TESTIMONY THAT TELLS. FOR EVERY BRANCH OF TRADE. FIGURES THAT SPEAK.

A Firm of Hosiery Specialists in Scotland—
"We have ORDERS EVERY DAY in response to advertisement in your paper."
A Firm of Wholesade Drapers and Haberdashers—
"We are highly satisfied with results."
A Firm of Manufacturer's Agents—
"The advertisement has proved quite satisfactory. We find missing a week is very detrimental to us."

# CHRISTIAN HERALD readers have money to spend with the Advertisers in their favourite paper—and they spend it!

The above are some letters from clients in many lines of business which prove that for selling direct or through the trade it pays to advertise in

# THE CHRISTIAN HERALD

The circulation has averaged weekly well over a quarter of a million for the last 20 years, and assuming each copy is read by three or four persons, the advertisements come under the notice of

# A MILLION READERS

For Specimen Copy and Rate Card apply to-

Advertisement Manager, 6 Tudor Street, London, E.C.4.

# Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE. DANYSZ IRUS

Net Wholesale Prices. 15/- per doz. Retail Price (protected). Virus for Rats and Mice, single tube, 2/-3 tubes, 5/Virus for Mice only - single tube, 1/6
3 tubes 3/-9/- ,, ,,

Date-expired tubes returned to us postage paid will be exchanged free of charge.

# Danysz Virus in Liquid Form

Retail Price.
Quart Bottles 6/- each
Pint ,, 4/6 ,, Wholesale Price-4/6 each 3/9 ,,

# HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 331% cash with order.

				Retail		Monthly a	c	Cash '	with order.
1/2 1	gall.			10/-	 	7/6			6/8
Ī	"		••		 • •	13/6 60/-			
Ð	"	22	• •	80/-	 	00/-			99/4

# BEETLE DANZO POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c. hes, Crical Wholesale Prices per al. In boxes of 2 doz. 2/1 1 ,, 3/8 1 , 7/5 Retail Prices (protected). Wholesale Prices per doz. In tins 3d. ,, 6d. ,, 1/-Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS,

To be obtained from HALLER LABORATORIES,

325 Borough High Street, LONDON, S.E. 1
Telegrams: "Virudana, Sedist, London." Telephone: f Telephone: Hop 2717 

# HARVEY'S

Watts' Embrocation, or Curb Bottle. Aconite Powders. Worm & Condition Powders. Watts' Red Lotion. Hair-Restoring Ointment Edos, or Tasteless Purging Powder.

# HARVEY'S

Great

Protected Prices (P.A.T.A.)

Remedies for the Horse

# HARVEY'S

Koppos Powder. Parasiticide. Thrush Specific. Hoof Ointment. Hair Restorer (Human)

Of all the leading Druggists' Sundries Houses.

HARVEY & COMPANY, Ltd., Dublin.

# IRELAND

In these troublesome times in Ireland, the two following testimonials received within a few days of one another prove con-clusively that "Rodine" is the Rat Poison that matters where Rat extermination is necessary,

# AND THE RAT POISON THAT IS IN DEMAND

Mr, J. M. Mangan, Chemist, Tralee, writes: —
"29th July, 1922. I confidently recommend
'Rodine' to all my customers. It is a splendid
article, and pays well."

Mr. S. J. Smiley, Chemist, Castlewellan, writes:—"2nd August, 1922. I could not afford not to stock 'Rodine' even if I had to pay 5/-and 10/- per dozeu and even then it bears good profit,"



You can have "Rodine" on best terms at 4/a, 8/a, 16/a, 32/a per dozen. Minimum Carriage Paid Order f. 14s. This yields nearly 100% protected profit, Send your order now to the Maker—push "Rodine"—it pays.

# HARLEY.

PERTH ~ Scotland.



# Stands for Four Things,

-mainly:-

- 1. HONESTY OF PURPOSE.—We plan to give the public remedies that we think the public should be able to buy with or without a physician's prescription. We would deceive or mislead no one. Certain drugs wisely combined produce, ordinarily, results that can be fairly depended upon. Certain disease conditions are influenced by drugs in a fairly uniform way. If a person knows the existing conditions and the remedy most likely to help, knowing this through personal experience or through a physician's examination, Rexall Remedies are intended for that person.
- 2. SKILL IN MANUFACTURE.—Pharmacists, skilful to meet every requirement of their work, give every energy to the making of Rexall Remedies.
- 3. PURITY OF DRUGS.—Knowing that impure or inert drugs would impair or destroy the value of Rexall Remedies, we insist that all drugs used shall be of prime quality.
- 4. SATISFACTION OF THE USER.—If a Rexall Remedy does not give satisfaction, every penny paid for it will be promptly and uncomplainingly refunded.

OWING to the tremendous number of applications recently received, we regret that no further Rexall Agencies can be placed until the New Year. Pharmacists in areas where there is no Rexall Agent at present may rest assured that enquiries will receive attention as soon after January 1st, 1923, as possible.

# UNITED DRUG COMPANY, LTD. NOTTINGHAM.

Directors:

W. C. CHURCH, Nottingham (Chairman). EDWIN THOMPSON, Liverpool. Sir THOMAS ROBINSON, Dublin. EDMUND CARPENTER, Bristol.

Registered Office: Waterway Street, Nottingham.

JAMES JACK, Arbroath.
GEORGE WHITFIELD, Scarborough.
H. B. HOLTHOUSE, Nottingham.
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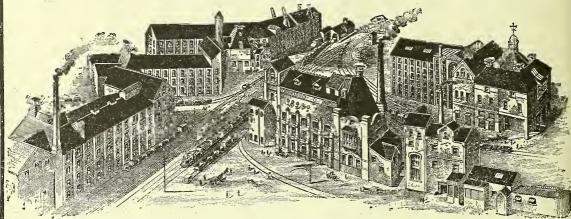
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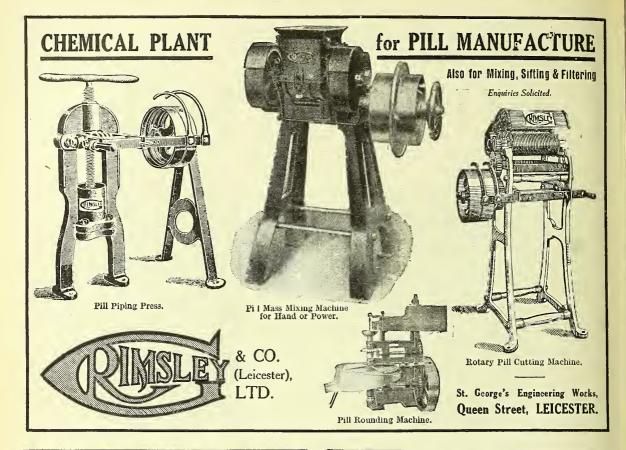
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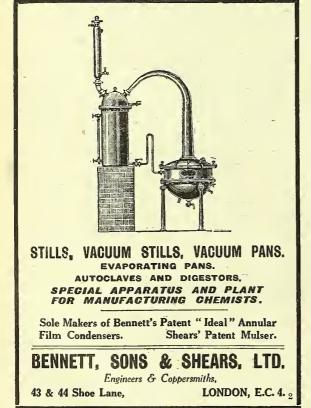
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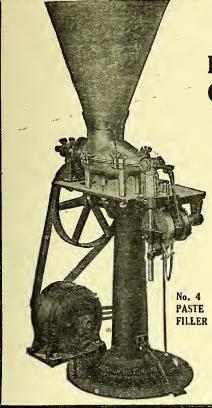






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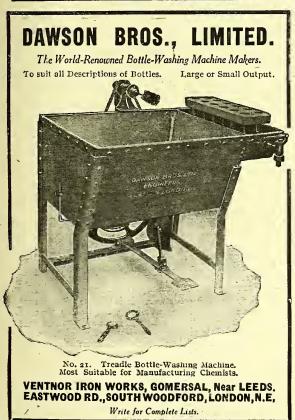
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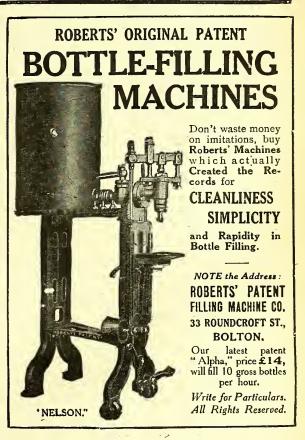
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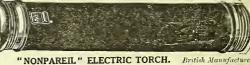
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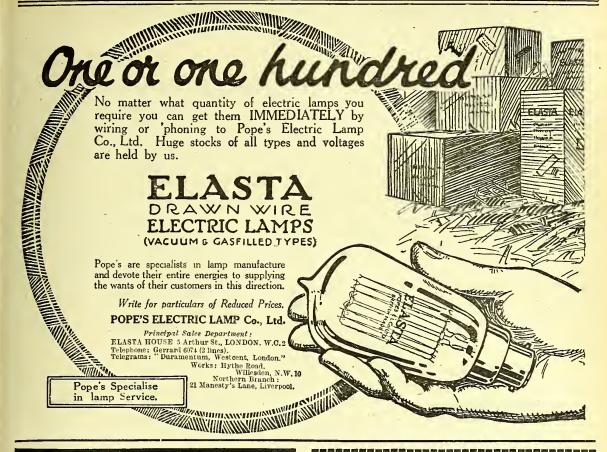
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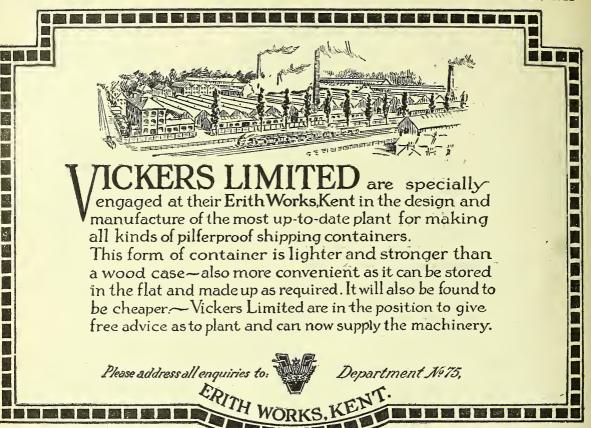
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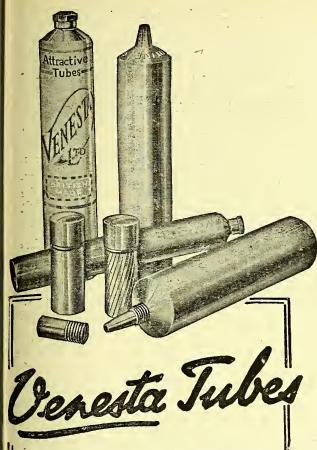
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# Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, October 31

South-West London Chemists' Association, Central Pharmacy
Club, Arundel Hotel, Arundel Street, London, W.C., at 8.30
p.m. Dr. Burnett on "The Romance of Medicine."

# Wednesday, November 1

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, E.C., at 11 a.m. Council-meeting.

Ulster Retail Drug Trade Association, The Shaftesbury, Donegall Place, Beliast, at 8 p.m. Lantern lecture by Mr. William C. Dobbin, M.P.S.I., on "A Tour in North Italy and Africa."

Retail Pharmacists' Union (Northumberland, Durham, Sunderland and Gateshead Branches), Gounty Hotel, Neville Street, Newcastle-on-Tyne, at 2.45 p.m. Address by Mr. G. A. Mallinson.

Mallinson.

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Newcastle-upon-Tyne Pharmacists' Association, County Hotel,
Neville Street, Newcastle-on-Tyne, at 6.30 p.m. Whist-drive.

# Thursday, November 2

National Drug and Chemical Union (Betail Section), Minerva Café, 144, High Holborn, London, W.C. Whist drive at 7.30 p.m. Tickets, 2s. each, refreshments included.

WESTERN PHARMACISTS' ASSOCIATION.—The annual dinner of the Western Pharmacists' Association will be held at the Connaught Rooms, Great Queen Street, London, W.C., on November 15, at 7 for 7.3 p.m. Tickets from Mr. Harry Martin, 16-30 Graham Street, N.1.

# English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

# A Middlesex Report

From the latest annual report of the work of the public control department of the Middlesex County Council, it appears that sixty samples were analysed by the public analyst under the Sale of Food and Drugs Acts in the year 1921 22, and that of these saven were adversely reported. 1921-22, and that of these seven were adversely reported against, including examples of bismuth lozenges, camphorated oil, salicylic acid ointment, and yellow mercuric oxide ointment. Under the Weights and Measures Acts, one chemist was prosecuted and one was cautioned. The weighing and measuring appliances stamped by the inspectors included 159 metric weights, 151 metric measures, and 9,362 apothecaries' measures. The comment is made that the standard metric weights and measures, which the County Council is obliged to have, are very rarely used. Indeed, one set of metric appliances would now suffice for the whole of the County of Middlesex.

# Shopping Carnivals

Kingston-on-Thames traders are promoting a shopping week commencing on Noevmber 2. Mr. F. J. Plomley, chemist and druggist, is on the window-dressing committee. Messrs. Boots, Durbins, Hodder, Parkes, Plomley and Tamplin are giving the prizes in the amateur photographers' competition for pictures of incidents occurring during the week. Eucryl, Ltd., have given three prizes for the best display of their goods.

Harrogate has been holding a shopping carnival from October 11 to October 21. Mr. P. L. Ridge had a very attractive window show of the specialities of the Harroattractive window show of the specialities of the Harrogate Tablet Co., and another devoted to photographic apparatus. Mr. G. Pattison, Ph.C., also had one devoted to photographic goods. Handford & Dawson had an excellent display of sponges, with a "diver." Mr. J. W. Harper had in his window of Genatosan, Formamint and Genasprin. Mr. Mortimer had a novel display of "Harrogate Heather" perfume, and at Leeds Road a hot-water bottle show and a surgical window. Taylors' including hot-water bottle show and a surgical window. Taylors' Drug Co., Ltd., had several smart displays, including their "Rosalyl" preparations, one winning a certificate. Messrs. Boots' windows were very tastefully arranged with seasonable goods and presents. Crosby & Crosby had a smart photographic window, and a very tasteful display of toilet goods. display of toilet goods.

# Birmingham

The United Water Softeners, Ltd., gave a demonstra-tion of modern methods of water purification at the Queen's Hotel on October 19.

Dr. Coole Kneale, a quondam pharmacist, has been elected President of the Shirley Institute, and has lectured there on wireless telegraphy.

Donations recently made to the Lord Mayor's unemployment fund include the following amounts: Mr. W. A. Cadbury, £200: Mrs. Cadbury, £50; Alderman F. C. Clayton, Ph.C., £50.

At Mr. Councillor Poole's election meeting on October 20, Mr. Ernest Canning took the chair, and many pharmaceutical and other friends are assisting the councillor in his election campaign.

Professor Burstall gave the opening sessional address to the students of the Birmingham University Chemical Society on October 23, and took for his subject "Pro-blems in Chemical Engineering."

It is understood that Mr. J. W. Atkinson, when he retires from the office of President of the Birmingham Pharmaceutical Association, will be succeeded by Mr. H. H. Marshall, Moseley. Mr. Marshall is a Birmingham man, served his apprenticeship with Mr. T. W. Chapman (formerly in Bristol Street), and qualified in 1897.

Leeds is afflicted by the worst epidemic of measles experienced for many years.

Professor Arthur Smithells, F.R.S., a former examiner to the Pharmaceutical Society, who has held the chair of chemistry at Yorkshire College and Leeds University since 1885, is retiring at the end of the current session and will take up research work in London.

# Leicester

Addressing the Nottingham members of the Society of Chemical Industry on October 18, Mr. S. F. Burford, F.I.C., the Leicester city analyst, said it was time the resources of the trained chemist were invoked in all branches of industry. It was deplorable that the utilisation of waste was not yet boldly dealt with by public bodies, which should finance schemes of research as a matter of public benefit.

At a meeting of the Leicester Chamber of Trade on October 18, Mr. F. W. Goodess drew attention to the excessive charges made to traders by the City Council for removal of trade refuse. He pointed out that these charges were practically confined to the business part of the community, who were the largest ratepayers, and condemned any charge as most iniquitous. A resolution was sent to the highways committee on these lines.

# Liverpool

Lawrences, Great Charlotte Street, have a scenic window-display "featuring" hot water bottles.

"No pharmaceutical politics at present," remarked an official of the Liverpool Chemists' Association the other day. A paper on income-tax by Mr. W. J. Williams is looked forward to.

Mr. Edwin Thompson (managing director, Thompson & Capper, Ltd.), and Mr. John Herman (R. and J. Herman, chemists) have been nominated for re-election to the Liverpool City Council. Among the new nominations for Bootle Town Council is that of Mr. J. T. Hackett, manufacturing chemist, Liverpool and Bootle.

A heavily built man, accompanied by a small woman, has visited several local pharmacies of late. In one the man secreted a half-crown packet. In another he annexed an article of little value. The pharmacist, in the first case, added the amount to the price of a box of pills bought. In the other pharmacy the appropriation was denounced, and eventually the woman induced her companion to pay up

# Manchester

According to the "Evening Chronicle," chemists have been seen rubbing their hands in glee at the thoughts of the good business likely to accrue through the epidemic of sneezing and coughing prevailing during the past week.

Under the auspices of the British Optical Association (Northern Committee), a lecture on colour vision will be given by Professor T. H. Pear, B.Sc., of Manchester University, in the College of Technology, Sackville Street, on November 2. Six other lectures will follow.

The degree of bachelor in colour chemistry has been created at Manchester College of Technology. Dr. F. N. Rowe, who is in charge of this branch of chemistry, has issued a statement to the effect that students are being encouraged to carry out some of their experiments in miniature plant, because although, at the moment, the dyestuffs industry is no doubt staffed to capacity with the large numbers who entered it during the war, new research workers will be needed as dyemaking develops in this country.

Mr. Cuttiford, a well-known Salford chemist, has been elected chairman of the Manchester, Salford and District Branch of the Retail Pharmacists' Union. Mr. Cuttiford has been vice-chairman during the past session, and his election is another example of the excellent manner in which Manchester and Salford work in complete unison in pharmaceutical matters. With Mr. Simmons as President of the Manchester Pharmaceutical Association, there are now two pharmacists of the Royal Borough holding office in the neighbouring City.

The space available at the City Exhibition Hall is now almost entirely booked up for the Chemists' Exhibition which opens on November 20. More than 100 firms have

booked space, and one or two have asked for an increased area. The Manchester Pharmaceutical Association, which is having a stall and a reception room at the Exhibition (as will be noticed from the advertisement in last week's C. & D.), is organising competitions of an interesting character. Fortunately, the date of the general election does not clash with that of the Exhibition.

One of the most striking and attractive window-shows to be seen in the district is to be found at 35 Wilbraham Road, Chorlton-cum-Hardy, the pharmacy of Mr. W. H.



Photo ]

[Cleworth

Harrison. The two windows are dressed for the competition organised by Genatosan, Ltd., in an original manner, the pulling power of which is proved by the complimentary remarks made by passers-by.

# Portsmouth

Mr. W. R. Parsons, chemist and druggist, is opening a new pharmacy at Chichester Road, Copnor.

Mr. T. C. Kilner, chemist and druggist, has taken over the business of Mr. A. Lloyd, 30 Fratton Road.

Among the engagements already "booked up" for Alderman F. G. Foster, chemist and druggist and dentist, Mayor-elect, is an address of welcome to the British Medical Association.

The outstanding claim on our interest is the continued influx of new pharmacies noted almost every week in the columns of the C. d. Most of the proprietors are young men with local experience.

Mr. W. J. Lewis, formerly of Leicester, is an aspirant for a seat on the borough council. He is a polished speaker, and has influential support, particularly from the medical men in his ward, North End.

Mr. A. B. Sparrow, President of the local association, and Mrs. Sparrow had a fortunate escape in a motor accident at Cams Hill, Fareham, recently. A collision with another car resulted in some damage to property, but no personal injury beyond a shaking.

# Sheffield

Several high-class pharmacists have adopted modern window-displays.

The new contributory scheme adopted by the joint hospital boards is proving very satisfactory.

Sheffield pharmacists' hopes were dashed when Mr. J. T. Appleton, who had been nominated as a candidate for the Handsworth Ward in the coming municipal election, withdrew from the contest. Pharmacy is not at present represented on the City Council.

Dr. Ethel White, daughter of Mr. White (of Pickard & Co., wholesale druggists, and managing director of the Methylating Co., Ltd.), has been appointed an assistant medical officer under the City Council. Another daughter of Mr. White, Dr. Alice White, is in general practice.

# Miscellaneous

\*\*Chemist Acquitten.\*\*At Spalding Quarter Sessions, on October 19, Harry Pye, chemist and druggist, was indicted for attempting to commit suicide by taking laudanum (C. & D., September 30, p. 455). The defence was that he had been tenant of a shop in Bridge Street for eighteen years, and the landlord refused to renew his lease or to accept as tenant a purchaser of the business. This worried Mr. Pye, who took to drink and then obtained laudanum in order to induce sleep. A verdict of "Not guilty" was returned. guilty " was returned.

INJUNCTION AGAINST A STALLKEEPER REFUSED.—Judgment was given on October 25 by Mr. Justice Sargant in favour of the defendant in the action brought by John Benjamin, boot salesman, Chapel Street, Finsbury, London, E.C., against Hnery Bloomstein, costermonger. The plaintiff sought an injunction to restrain the defendant from obstructing the free access to his shop by erecting his stall in front of the shop and causing crowds to assemble. His lordship said there was no legal right to a stall in a particular place, but, as in the case of a crossing-sweeper, the police had recognised a moral right of persons who had traded in a special place to continue to trade there. the defendant had undertaken to make such an alteration in his stall as to allow the plaintiff's sumblind to be lowered, his lordship would make no order except that the plaintiff pay the costs of the defendant.

FOOTBALL AND CRICKET .- The chief office staff of Burroughs Wellcome & Co. played the first of their two Burroughs Wellcome & Co. played the first of their two annual football matches against their colleagues of the "Wellcome" Chemical Works, Dartford, in the grounds of the Wellcome Club and Institute, on October 21. Mr. G. E. Pearson, the firm's general manager, kicked off. The game was evenly contested and ended in a draw of two goals each. The contestants, their supporters and friends, subsequently adjourned to the gymnasium of the Wellcome Club for tea followed by a concert and denoted Wellcome Club for tea, followed by a concert and dance, in which Mr. Pearson and the works manager (Dr. Jowett) participated. — Southend-on-Sea Pharmacists' Cricket Club reports that seven matches have been won, one drawn, and five lost during the season, the first in the Club's history. Five games were abandoned. S. W. Corden took forty-six wickets at a cost of 5.9 runs each, and T. D. McLaren forty-four for 6.5. The batting averages are as follows: T. D. McLaren, 19; C. Dunne, 12.7; B. V. Harris, 12; W. S. Symons, 9,

In the Courts.—At Marlborough Street Police Court, London, on October 19, further evidence of a formal character was given in the case in which Noel Blake Ducker, company director, is charged with conspiracy in an alleged fraud on the Inland Revenue authorities (C. & D., October 14, p. 521). The case was again adjourned.—At Spalding Quarter Sessions, on October 19, George John Webb, who had smashed a window value £25 in the shop of Mr. Charles Wass, chemist and druggist, Holbeach (C. & D., August 12, p. 227), was sentenced to six months' hard labour.—During the hearing of a murder charge at Stratford Police Court, on October 24, against Frederick E. Bywaters, ship's steward, and Edith IN THE COURTS.—At Marlborough Street Police Court murder charge at Stratford Police Court, on October 24, against Frederick E. Bywaters, ship's steward, and Edith Thompson, widow of the deceased man, various poisons were referred to as appearing in the text of certain letters written by the accused woman. One passage was: "By the way, what is aromatic tincture of opium?"; another ran: "It must be remembered that digitalin is a cumulative poison"; and a third included: "... in a book I am reading, 'Belladonna,' by Robert Hichens. Is it any use?" any use? '

INQUESTS.—An inquest was held at Poplar, London, E., on October 21, on the body of an engineer's fitter named Jamieson, who, it is understood, was employed in the works of Burgoyne, Burbidges & Co., Ltd., East Ham. It appeared that a gas-engine exploded early on the previous morning, and an hour elapsed before an ambulance was available, that belonging to the East Ham authorities having broken down. Adverse comment was made on the refusal of the loan of the Barking municipal ambulance even after an offer to defray the cost was telephoned.—A verdict to the effect that death was due to bronchial pneumonia accelerated by lead poisoning was returned at the resumed inquest held at Hanwell, on

October 25, on the body of John Moreby, potman. Evidence had been previously given that porcelain lead-glazed tankards had been placed in several of the Isleworth Brewery Company's houses, and that soon afterwards cases of lead poisoning were reported. The company withdrew the tankards and the complaints ceased. Sir Kenneth W. Coadby, who conducted the analysis Sir Kenneth W. Goadby, who conducted the analysis, giving evidence, said that the brain, liver, and left kidney of the deceased man contained a total of 0.943 gr. of lead.

# Irish News

# Brevities

Mr. Peter Ronaghan, Ph.C., The Medical Hall, Monaghan, has been appointed dispenser to the Cavan and Monaghan District Lunatic Asylum.

Mrs. Elizabeth Macnaghten, wife of Mr. Alexander Macnaghten, chemist and druggist, Belturbet, has been admitted to the Dental Register. Mrs. Macnaghten has had sixteen years' experience of the practice of dentistry.

A branch medical hall owned by Mr. A. W. Mann, Ph.C., 4 Market Street, Lurgan, was broken into recently during curfew hours, and a camera valued at 60s., thermos flasks, flash-lamps, 10s. in cash, and other articles were stolen.

# Belfast

Mr. J. J. C. Culbert, Ph.C., member of the Council of the Pharmaceutical Society of Ireland, is the newly-appointed President of the Belfast and District Chamber of Trade.

The first prosecution in the United Kingdom under the Animals' Anæsthetic Act, 1919, was heard at Belfast recently, when Richard Johnson, junr., a well-known horse dealer, was fined £5 for permitting a horse's tail to be docked without the use of an anæsthetic. The Stipendiary said that the case should also be a warning to veterinary surgeons.

At a meeting of the execommittee of N.S.P.C.C. held in Belfast on October 13, Mr. Fred Storey, President of the Chemists'



MR. J. J. CARROLL CULBERT

and Druggists' Society of Ireland and member of the Pharmaceutical Society of Ireland and member of the Pharmaceutical Society and Council, was present at the request of the committee, and gave some facts regarding the sale of methylated spirit by chemists and druggists. Mr. Storey said that no self-respecting chemist would sell methylated spirit if he knew or suspected it was to be used for drinking, and the chemists deserved great credit for the way they handled this article. Some chemists actually labelled it "poison," and as a body they were doing their best to put down illicit sales. Mr. Storey, when questioned about the law governing the sale and the denaturing of this article, said it was up to the Government chemists to discover a substance sufficiently noxious to prevent it being used for drinking and yet maintain its efficiency for legitimate The committees of the various associations had acted already in this matter, and were quite willing to co-operate with that committee or any other body to try to stop its sale for illicit purposes; but he thought this would require fresh legislation.

A chemist's establishment in Parnell Street, Dublin, was raided by three armed men recently, and a sum of money and bandages taken.

In this week's coloured supplement of the C. & D. the Council of the Pharmaceutical Society of Ireland invite applications for the post of Examiner in Botany and Materia Medica, in the room of Dr. Henry Hunt, M.P.S.I., whose full term of five years has expired.

# Scottish News

# **Brevities**

Business in Central Scotland, according to commercial

travellers, is very poor at the present time.

The tender of Mr. G. T. C. Cooper, chemist and druggist,
Arbroath, for the supply of drugs and medicines to the local poorhouse has been accepted.

Mr. S. M. Hendry, chemist and druggist, has taken over the business of Miss Jessie Gilchrist, chemist and druggist, 73 High Street, Invergordon.

Mr. Thomas Harley, chemist and druggist, has, subject to his consent, been adopted by the Perth Rotary Club as a suitable candidate for a vacancy on the Town

A circular issued by the Scottish Board of Health announces that arrangements have been made for a small stock of botulinus anti-toxin to be kept at the offices of the Board and at various local centres throughout Scotland. Applications for anti-toxin can be dealt with at the local centres at any hour of the day or night, immediate administration being essential. Mayors (Mr. W. G. McDonald, chemist and druggist), 31 High Street, Inverness, is the depôt for Inverness-shire.

Dr. J. F. Tocher, Ph.C., Aberdeenshire county analyst, Dr. J. F. Tocher, Ph.C., Aberdeenshire county analyst, who has examined a sample of water from the River Spey, undertaken owing to the absence this year of any real "run" of sea trout, coupled with the difficulty of inducing salmon to rise to the fly on the lower reaches, reports it to contain a fairly high proportion of total solids, mainly due to the proportion of organic matter present. The peaty character of the water is undoubted. It has been found that waters peaty to the extent of this water affect the health of salmon.

# Dundee

Two Dundee chemists are understood to be retiring from business shortly.

A shilling sale held by Mr. G. J. Lindsay, chemist and druggist, Nethergate, recently, drew a good deal of attention. Among the "bargains" offered were 1 lb. malt and oil, 100 aspirins, 4-oz, mulsified shampoo, 6-oz, olive oil, one dozen Seidlitz powders, and 3 lb. hypo.

# Edinburgh

Alex. Ireland, formerly an apprentice with Raimes, Clark & Co., Ltd., defeated Seaman Hall, European light-weight champion, on points in a boxing contest in the Waverley Market, on October 20.

At a meeting of the Royal Society of Edinburgh, on October 23, Professor F. O. Bower delivered his presidential address, the subject being "The Primitive Spindle as a Fundamental Feature in the Embryology of Plants."

Writing on the subject of vaccine therapy in "The Practitioner," Dr. A. McKendrick, F.R.C.S., Royal Infirmary, says that owing to a want of scientific application the practical results have necessarily been disappointing. Nothing could be more unscientific, for example, than setting out to give a patient a prescribed "course" of vaccines by way of treatment

Mr. W. Jameson, chemist and druggist, Cardenden, is recovering from a serious illness.

Mr. C. S. S. McDonald, chemist and druggist, has been elected secretary and treasurer of the Auchtermuchty Curling Club.

Mr. Peter Fenton, F.C.S., chemist and druggist, is shortly removing from 101 High Street, Kirkcaldy, to Wbyte's Causeway.

# Glasgow

Mr. A. Macdonald (John Poynter, Son & Macdonalds, manufacturing chemists) and Mrs. Macdonald have recently celebrated their golden wedding.

The "Glasgow Citizen," on October 21, under the title "Curing by Electricity at the Royal Infirmary," contained a description, illustrated by photographs, of some of the work carried out at the institution. In the same issue appeared an article on "The Influence of Pharmacy on Art," by Mr. Andrew Johnston, chemist and druggist, Renfrew.

The first meeting of the Glasgow section of the Society of Chemical Industry for the current session was held on October 20, under the presidency of Mr. W. E. Moody, F.I.C. Dr. H. Hepworth gave a paper on the "Synthesis of the Tannins," in which he gave an outline of modern research on the chemical constitution of tanning materials. These, added the lecturer, form a large and almost untrodden field open to the chemical investigator.

The performances of the dramatic section of the Glasgow Pharmacy Club in the Athenæum Theatre, October 17 to 21, were well attended and appreciated. On the final evening a speech was called for from Mr. Torry. During the applause the principals were deluged with gifts from the audience, who joined hands with the company in the singing of the National Anthem and Auld Lang Syne. Early in 1923 it is proposed to hold an elocation recital and competition, open to members of the drug trade in Scotland.

# South African News

(From "C. & D." Correspondents) "The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa

CAPE CHEMIST'S INSOLVENCY.—The estate of Somah Sachs, chemist and druggist, Cape Town, carrying on business as the Westminster Pharmacy, was placed under business as the Westminster Pharmacy, was placed under sequestration by order of the Supreme Court, dated June 28, 1922, and at the first meeting of creditors, held on July 2, Mr. T. A. Dalgleish was appointed trustee of the estate. From the schedules submitted to the Master, the liabilities shown amount to £7,639 4s. 7d. The assets, £3,424, consist of stock-in-trade, £2,100; fixtures and fittings, £750; and outstanding debts, £574; leaving a deficiency of £4,214. Claims of creditors, amounting to £4,599 11s. 7d., were proved. From information supplied and from the books, the trustee ascermation supplied and from the books, the trustee ascertained that the insolvent commenced business as a wholesale and retail chemist on January 1, 1918, at Hout Street, Cape Town, with a capital of £1,000. At that time there was a wave of commercial prosperity, and for about two years he carried on a lucrative trade, but on the turn of the tide found himself with a heavy stock, the market of the tide found himself with a heavy stock, the market prices of which fell considerably, so that he experienced great difficulty in disposing of it. Owing, however, to the leniency of creditors, and with the assistance of friends and relations, Mr. Sachs continued to trade, and incurred losses amounting to about £5,000. In February, 1920, the insolvent opened a branch in Adderley Street, continuing his business in Hout Street, which he disposed of in March, 1921. Owing to financial pressure, he called a meeting of his creditors in Novemers. pressure, he called a meeting of his creditors in November, 1921, and the business was carried on under inspection, but owing to further losses debtor voluntarily surrendered his estate on June 28. The insolvent's drawings from the business had not been excessive. Although the books had been kept somewhat indifferently, a fairly clear record of his transactions were shown therein. The Standard Bank of South Africa had filed a claim for £4,033, being £2,031 for money lent, together with interest, and £2,001, being amount due on bills of exchange accepted by the debtor and discounted by the Standard Bank, which was now the legal holder. As security for these claims the bank held a notarial general bond for £3,000. With reference to the portion of the claim in connection with the bills of exchange, the trustee considered it necessary to take legal opinion as to whether The trustee, since his appointment, had been carrying on the business, and, with the sanction of the creditors, proposed to sell the stock and fixtures out of hand, or, if possible, to endeavour to sell the business as a going The premises were situated in a main thoroughfare of the city, and there was a considerable portion of the lease still to run. At this stage the trustee was unable to state whether there would be any dividend to concurrent creditors.

# French News

(From the "C. & D." Paris Correspondent.)

Customs Tariff.—A new official up-to-date edition (September, 1922) of the French Customs Tariff is about to be published by the "Librairie Administrative P. Oudin," Poitiers (Vienne). This edition will incorporate the most important changes which have been made from time to time, and will be of considerable use to all British firms doing business with France.

Dangerous rubber teats.—M. Lutz (who has already pointed out the danger of certain red rubber teats vulcanised by sulphur dichloride after having been coloured with vermilion) draws attention to teats now on the market coloured orange-red by sulphurated antimony. He points out that if boiled in water rendered alkaline by carbonate of soda the antimony passes into solution, and the goods cannot therefore be classed as "pure rubber" of the quality required by French legislation.

Drug ideasyncrasy.—It is reported that a pharmacist, after handling ipecacuanha for about three years, became so sensitive to the drug that each manipulation brought on a crisis of spasmodic coryza, and four years later, even ipecacuanha dust in his shop caused attacks of asthma. He was cured by subcutaneous injections of a maceration of ipecacuanha, small at first, and preceded by a dose of belladonna. A second case was that of a preparator in pharmacy who was similarly affected by emetine hydrochloride. Subcutaneous injection of increasing doses of the salt brought about a rapid and complete cure.

Dr. Dorveaux, librarian of the Faculty of Pharmacy, having reached the age limit, has resigned his post where he was so deservedly popular. We understand, however, that he has secured an appointment as archivist at the Academy of Sciences, for which his special and extensive knowledge of pharmaceutical and scientific history will render him particularly suitable. His departure will be regretted by many, and not the least by the pharmaceutical journalists to whom his constant courtesy and cordial co-operation made him an old and valued friend. A native of Lorraine, he served in the National Guard at Metz in 1870. His daughter is the wife of Professor Délépine.

Hours of business.—The extension of the "Eight Hours Act" to pharmacies continues steadily. A recent decree fixes the hours for Lyons and district, and affects some 500 pharmacies. As usual, an understanding was arrived at on the subject between the local pharmacists' association and assistants' association. The "hours of presence" are to be nine (nine and a half is the maximum the law allows for pharmacies), from 8 a.m. till noon, and from 2 to 7 p.m. Similar decrees have been issued for Grenoble, Rennes and the Marne department, with slight variations in some cases. For instance, at Grenoble the assistants have Monday morning to themselves, and only come on duty from 2 to 7 p.m. that day, so far as the summer months (April-October) are concerned. In the Marne and at Rennes, the midday rest is an hour-and-a-half only, and in the latter town the assistant may be required to be on duty all day on Saturdays and fair-days, provided he has his hour-and-a-half some other day.

The gradual transformation from Alsatian to French law in the restored provinces is in progress. M. Andrieux, of the Commissariat General, drafted a new Pharmacy Act (in acordance with the official Pharmacists' Association of Alsace and Lorraine) in 17 articles, and the Government submitted this draft to the Dean of the Faculty of Pharmacy of Paris, who considered it somewhat lengthy and likely to be retarded by long discussion or otherwise if so brought before the French Parliament. This revised draft was reviewed by the French Pharmacists' General Association. The general idea seems to be to allow Alsatian pharmacists to keep open shop in France, the French Colonies, but not to abolish the present Alsatian system of limitation. The characteristic French method by which the Act passed by the legislative bodies simply lays down broad, general principles and leaves all details of their application to be fixed by subsequent decrees issued by the administrative organisation, is proposed as the simplest method of dealing with these difficulties.

The continental holiday.—In a busy hotel in the centre of Paris (writes a correspondent) the concierge and I were discussing the political situation. We had just decided on the proper attitude towards Turkey when a series of "Hulloas" in unmistakable English brought me swiftly back to everyday life. I found myself in the centre of a group of London pharmacists on their way home after three weeks' touring in Switzerland and Italy. Two councillors of the Pharmaceutical Society, Mr. Herbert Skinner and Mr. A. R. Keith, were apparently the leading spirits, and they had infected Mr. J. Downing and Mr. A. Mumford and their wives and Mr. J. C. Carter with the Continental travel virus. There were nine in all, and everyone was in the highest spirits, in spite of the fact that the weather had not been altogether kind. There was general regret that the holiday—so varied and so interesting in character—was nearing the end. Mr. Skinner's unrivalled experience in costing systems was found of great value in unravelling the intricacies of the hotel bill, always somewhat of a puzzle. Although Paris prices are rather high, it was noticeable that the ladies were carrying various parcels labelled with the names of world-known Parisian magasins, so that North London should by this time be possessed of many souvenirs of the City of Light.

NIGHT SERVICE AT HAVRE.—The town of Havre has organised Sunday and night service in a very complete manner, by arrangement between the municipality and the local pharmacists' association. The town is divided into districts, and one pharmacy in each district takes night and Sunday service each week—i.e., remains available at any hour for seven consecutive days and nights. The name of the pharmacist "on duty" is posted up at the police stations, and published (at the expense of the municipality) weekly in all the local papers. Night service is only accorded to persons bringing prescriptions and accompanied by a policeman. If the applicant is a pauper the town authorities pay the bill, plus five francs as "night service indemnity." If the caller has no money on him, the pharmacist simply hands his bill to the policeman, and is paid by the municipality, which, of course, recovers the sum from the debtor if possible. The population is thus assured constant service in urgent dispensing at all hours without financial risk to the pharmacist, but the latter has to be on constant duty for a week about once every two months. Some object and refuse, which, of course, makes it harder for the others, thus constrained to a more frequent turn. No legal compulsion at present exists for the service, and a local correspondent asks if a sort of local option ought not to be adopted, making the decision of the majority binding on the minority of the trade. Night service is reckoned from 7.30 p.m.

Paris Society of Pharmacy.—The October meeting was held under the chairmanship of M. Vaudin (Vice-President), who greeted M. Georgiades, of Cairo, a foreign corresponding member, who was present. Two theses were presented for the annual prize competition. one on "Atropine in Toxicology," and the other on the "Action of Peroxide of Hydrogen on Lead, etc." An election was held for the vacant residential membership of the Society, M. F. Richard being the successful candidate. M. Francois read a paper on the "General Method of Obtaining Iodomercury salts of Alkaloids in a Crystallised State," which he had studied in colloboration with M. Blanc. He exhibited crystals of caffeine, theobromine, quinine, cinchonine, morphine, codeine, cocaine, strychnine, pilocarpine, sparteine, and quinoline, and subsequently presented some notes on the "Dosage of Active Principles in Certain Officinal Tablets." M. Guerbet read a paper by M. Bouillot on the phosphates of strychnine. M. Grimbert communicated M. Lasausse's notes on the volumetric estimation of copper and its application to reducing sugars, and M. Fabre explained how he had prepared xanthyl antipyrine by the condensation of xanthyl and antipyrine in acetic liquor. The reading of the report of the Ninth Sub-Committee on Codex Extracts and Syrups was continued by MM. Patrouillard and Michel, and certain details reserved for future discussion. Committees, each of three members, were nominated to draw up reports on the theses presented to the Society by candidates for its two prizes (Physics, Chemical Sciences).

# Colonial and Foreign News

No credit given.—Hungarian wholesale drug houses have now decided not to grant any credit and all accounts must be paid immediately in cash. This step is actuated by the fact that they themselves receive no credit and on account of the ever-increasing costs and advances in prices are compelled to devote much larger amounts towards the purchase of stocks.

Morphine tragedy near Melbourne.—A doctor named Cranstoun is believed to have poisoned himself and his family with morphine at Hampton, near Melbourne, Australia. Details of the tragedy, which have just come to hand, indicate a death roll of five—the doctor, his three sons, and a lady's companion. His wife and two daughters were taken to the hospital. A fellow practitioner of the dead doctor suggests that the latter was a morphine maniac, and said that all the members of the unfortunate household had suffered or were suffering from the effects of morphine. There were distinct punctures on all the victim's arms.

AUSTRALIAN TARIFF CHANGES.—The following tariff decisions have been announced by the Australian Customs Department: Calcium chloride for the manufacture of refrigerating materials and general purposes. Item 404, free under the British preferential tariff, free under the intermediate tariff, 10 per cent. under the general tariff. Fills: T.D. '22/97, amended by deletion of words "Aperient, gout, rheumatic and corrective." This decision has the effect of making all pills dutiable under item 285 (A). Salines, effervescent, viz.: Alkia saltratee, sal hepatica, except that such of the salines, referred to above, as were on firm order prior to July 6, may be admitted under item 285 (C). Spirits and waters, medicinal, except aqua laurocerasi conc. tablets, hormotone (Carnrick's). Item 285 (A) 30 per cent., 35 per cent, 40 per cent., with an additional duty if spirituous, as follows: If containing not more than 20 per cent. proof spirit per gallon, 4s., 4s., 5s.; and for every additional 20 per cent. or fraction thereof of proof spirit, per gallon 4s., 4s., 5s.

"Dangerous" decided table 31 1992 containing revised according according regular equals.

"Dangerous" drugs in New Zealand.—The "New Zealand Gazette" of August 3 publishes an Order in Council, dated July 31, 1922, containing revised regulations issued under the Opium Act, 1908, and the Treaties of Peace Act, 1919, regarding the sale in, importation into, and exportation from New Zealand of "dangerous drugs," which are defined to mean opium, morphine, heroin, cocaine, codeine, or ecgonine. The regulations prohibit the importation and exportation of such drugs, except under licence from the Dominion Minister of Customs, and provide, inter alia, that before an import licence shall be issued the intending importer must satisfy the comptroller of customs that the drugs are required for legitimate purposes, and that before an export licence shall be granted for any particular consignment of a dangerous drug, a certificate must be produced from the Government of the country to which the drug is to be exported to the effect that the importation into that country of the consignment in question is approved and is required for legitimate purposes.

approved and is required for legitimate purposes.

Belgium medicines for external use.—A Royal decree has been issued slightly modifying the regulations at present in force concerning the delivery of medicines intended for external use. In future, medicines for outward application must be delivered in amber-tinted bottles having eight panels of equal size, bearing the words blown in the glass itself and standing out in relief, "Usage Externe—Uitwendig Gebruik" (French and Flemish). In addition, the bottle must bear a red label with the above-mentioned indications. Medicines intended for internal use may not be supplied in polygonal bottles. However, these regulations are not applicable to bottles of a capacity exceeding 1,000 c.c. This decree is to come into force one year after the date of its publication in the official "Moniteur," that is to say, on September 20, 1923, so that pharmacists and others are given plenty of time to comply with the new rules. It must not be forgotten that these regulations will apply without distinction to all remedies, whether dispensed on prescription, or put up as specialities, a point of interest to exporters of proprietary preparations to Belgium.

Revision of Swiss pharmacopcia.—The Federal Board of Health has issued a circular requesting all pharmacists, medical practitioners, dental surgeons and veterinary surgeons, professors and teachers of pharmacy and directors of pharmaceutical institutes to submit prior to January 1, 1923, their views on the following points for consideration in regard to the new pharmacopcia: What articles should be added or deleted, and the changes, additions, and improvements which might be made in respect to single articles in the present edition. Suggestions concerning the third point should be written on a separate sheet of paper for each article, the sheets should be written on one side of the paper only, and signed by the sender. The Swiss Pharmaceutical Society, recognising the importance of ensuring the greatest degree of collaboration by pharmacists in the preparation of the new edition of the pharmacopcia, decided at its recent annual meeting to induce the various cantonal and town associations to collect the suggestions from their members. Further, it was decided to appoint a special commission, to which will be entrusted the task of examining the suggestions received prior to submitting the results.

RATES OF PROFIT IN ITALY.—The thorny subject of establishing a fixed rate of profit on the sale of pharmaceutical specialities is giving rise to heated discussions among the members of the profession in Italy. pharmacist draws attention to the fact that he has had occasion to make up repeatedly a prescription representing a well-known proprietary brand of pills. According to the drug tariff of 1910, he was not allowed to charge more than 2.10 lire, but if he applies the charges established in one of the local drug tariffs elaborated during the last few years, pending the issue of a new edition of the official tariff, he is entitled to charge 8.20 lire. On the official tariff, he is entitled to charge 8.20 lire. On the other hand, the proprietary preparation is being sold at various, much higher prices, viz., 13.60 and 10.60 lire, and he points out that in the existing circumstances, should he desire to do so, he would be at liberty to issue this preparation also as a speciality, by the simple expedient of altering the name, and would then be able to charge whatever price he thought fit. Based on the fact charge whatever price he thought fit. Based on the fact that the Italian pharmacy law of 1913 contains a provision to the effect that the Minister of the Interior shall cause a drug tariff, embodying the prices for medicines to be charged to the public, to be issued every two years, in conjunction with the other provision whereby the sale of medicines in separate doses, or in a form ready for use, including compound medicines and specialities, is received solely to pharmacists, a section of the public specific provides the properties of the profession. served solely to pharmacists, a section of the profession demands that the long-awaited new tariff, the first to be published in accordance with this new law, shall include the sale prices of all pharmaceutical specialities, with the proviso that the sale prices shall afford a reasonable rate of profit. Further, in view of the fact that all specialities are required to bear on the label the exact quantitative formula of the ingredients, it is suggested that the sale price of all specialities shall be established in exactly the same way as is done for ordinary prescriptions, including not only the charges for the drugs entering into its composition, but also all the fees for compounding, as laid down in the drug tariff. [This proposal would be essentially the adoption of the procedure in force in Sweden, where the pharmaceutical society has been authorised to act as the censoring authority for all speciali-ties placed on the market in Sweden, and establishes the sale price on the basis of the charges included in the official drug tariff, i.e., every preparation of this kind is treated as if it were a prescription.—Editor.] In this connection, a pharmacist points out that the Government has recently decreed that publishers of books destined for use in universities and higher schools must supply these works to booksellers at a price which leaves the latter a discount of 30 per cent. on the sale price. This fact is used to emphasise the right of Italian pharmacists equally to claim a minimum discount and reasonable profit on the sale of specialities, as their responsibilities are assuredly far greater than those of the book33 kg

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# American Notes

By "THE MAN FROM LONDON"

CHILDREN HANDLE STRYCHNINE.—School children in Lincoln County, Wash., it is estimated, poisoned over 90,000 squirrel homes in the recent spring crusade by placing strychnine-coated grain in over 7,000 holes.

THE PROTRACTED SUIT of the Centaur Company against the American Druggists' Syndicate over the right to use the name "Castor" exclusively was decided by Chief Justice Archibald, of the Superior Court, in favour of the Centaur Co. The Court adjudged that the Centaur Co. had exclusive rights to the name "Castoria" by virtue of its registration as a trade-mark in Canada.

Location counts a lot in business, and the chain stores are experts at picking out the best sites. The sum of \$1,250,000,000, it is estimated, is spent in the drug stores of America annually, and the chain stores are credited with 8 per cent. of this amount. In 1921 there were 1,763 chain stores, and bankers are said to be planning the financing of 24 more.

The state of California, where the drug clerks have a shorter hours law all their very own, looms once more into the limelight. A Bill drafted by President Leslie K. Freeman, of California Pharmaceutical Association, is to be presented at the next session of the State Legislature, requiring all applicants for registration as pharmacists or assistant pharmacists to be American citizens.

Chloroform in bottles.—The Mallinckrodt Chemical Co. has notified the trade that as chloroform for anxisthesia in 1-1b. tins, as supplied the War Department during the late war, has decomposed and is unfit for safe administration, they will supply chloroform only in glass containers for all subdivisions. Stock in tins (except U.S. Government stocks) will be exchanged at the usual prices for glass, on condition of payment by them of all freights and the loss of the value of the tin containers.

Not worth the trouble.—One remarkable outcome of the regulations regarding the sale of paregoric and other narcotics is in Alabama, where the druggists are seriously considering their entire elimination from their business. At a recent meeting of the local druggists the matter was gone thoroughly into, and they hope soon to evolve some plan whereby they are released from the bother and expense to which they object. It is claimed that with all these restrictions in handling narcotics a Government dispensary might solve the problem and relieve them of the trouble involved.

The care of children's teeth.—Dr. J. Markus ("N.Y.M.J.") points out that every mother should see that her child's teeth are cleaned morning and night, commencing at first with a soft rag and a mild alkaline solution, such as sodium bicarbonate, or borax, or prepared chalk, and later with a tooth brush. Parents should take their children two or three times a year to the dentist to get their teeth examined. It is a wrong idea that exists among the laity that the decay of the first teeth can be safely disregarded. The care of the child's teeth demands special attention during the course of diseases, particularly those of an infectious nature.

THE AMERICAN ASSOCIATION AT CLEVELAND.—One of the most important meetings of the American Pharmaceutical Association held during the past decade marked the return of the Association to Cleveland after an absence of fifty years. Ten living members who attended the meeting half a century ago were present, four of whom were presented with gold medals to celebrate the event. Owing to the railroad strikes the attendance was not so large as it might otherwise have been. The scientific section completed a record-making programme, and a new code of ethics under the title, "Principles of Pharmaceutical Ethics," sets forth the duties of the pharmacist in connection with his services to the public, the physician and his fellow-pharmacists.

Drug Adulteration in Connecticut.—The twenty-sixth annual report of the Connecticut Agricultural Station, recently issued, covering the year 1921, gives many data in regard to both standard and proprietary

preparations. Most of the official preparations tested were found to be correct. Many examinations were made of diabetic, special and miscellaneous foods, and, as might be expected, samples were found that claimed to be starchless and were not. One sample so labelled was found to contain about 70 per cent. of available carbohydrates, most of which was cassava starch. Another sample, recommended especially for diabetic patients, contained about 50 per cent. of starch and soluble reducing sugar.

OLDEST DISPENSARY IN U.S. CLOSED.—The Philadelphia Dispensary, the first dispensary in the United States, closed its old colonial doors last month, after 137 years of service. The institution is not closed on account of lack of funds, but its services will be continued through the Pennsylvania Hospital. During 1921 more than 21,000 patients were treated in the dispensary, and nearly 57,000 prescriptions were filled. The same objection to "going to a hospital" existed when this dispensary was opened as now with certain persons, as the following quotation from one of its announcements shows: "The sick may be relieved in a manner perfectly consistent with those noble feelings of the human heart which are inseparable from virtuous poverty."

Postal authorities after "fake" cures.—The fraud laws save the citizens millions of dollars annually, and their enforcement against fakes advertised to cure diseases of any kind shows that the authorities are very much alive to the danger that these supposed remedies present to the general health and safety of the people. Lyman F. Kebler, chief of the Drug Divisional Bureau of Chemistry, Washington, recently said the postal laws had stopped nearly all of the scores of drug-mixture advertised for curing consumption twenty years ago. An alleged cancer cure claimed to be rendered radioactive was entirely devoid of radioactivity, and the mixture owed its fluorescence to the small amount of quinine in acid solution. Drug-habit treatments sent by mail were found to contain the very drugs for which they were advertised to be a cure of addiction. The promoters of the drug known as "Habitina," containing both morphine and heroin, were each sentenced to seven years in the penitentiary and fined heavily.

ADVERTISING THE FALL IN PRICES.—An interesting contribution upon this phase of advertising appeared in a recent issue of the "Western Druggist." There are two general ways in which price comparisons may be made, says the author. Prices themselves may be considered, or the amount of labour required to earn the price. The latter method is actually a truer comparison. If it is easier to earn the money necessary to pay that price than it was to earn the money needed to pay the former price, the goods are actually selling for less than they did previously. When prices are considered by themselves, two different ways of making the comparison have proved effective. The Owl chain of drug stores, in some of their advertisements, used a table like this:—

FIRST AMERICAN PHARMACOPŒIA.—A bulletin containing a reproduction of the first Pharmacopæia published in the United States was given out at the recent meeting of the American Pharmacopæia was published by Styner and Cist, of Philadelphia, in 1778, being printed in Latin upon 32 pages, the text occupying upon each page 4½ inches in length and 2½ inches in width. It was compiled by Dr. W. Brown, Physician-General to the Hospitals of the United States, at the Continental Hospital located at Litiz, Lancaster County, Pa., in the building now occupied by the Moravian Chapel, "for the use of the Military Hospital belonging to the Army of the United States. Adapted especially to our present state of need and poverty, which we owe to the ferocious cruelty of the enemy, and to a cruel war brought unexpectedly upon our fatherland." The text in the bulletin is photographically reproduced from a copy of the first edition in the possession of the Historical Society of Pennsylvania.

# Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:

On October 19, Charles Samuel Buckmaster, oilman, 106 Seymour Place, London, W. 1, at one time a member of the Marylebone Borough Council, committed suicide by taking potassium cyanide.—Other suicides include one by lysol at Nottingham, and another by potassium cyanide in London.

At an inquest held at Mansfield Woodhouse, on October 20, the coroner found that the ten-months-old child of John Worthington, Thoresby Road, died from opium poisoning. The mother stated in evidence that when the child was taken ill she sent to the chemist for one pennyworth each of laudanum, paregoric and glycerin. She mixed two or three drops of this with arrowroot, added milk, and gave it to the child. Mr. Albert R. Jesson, chemist and druggist, Market Place, said that he supplied the mixture. The bottle was labelled "Poison." The whole lot would only amount to one tablespoonful. He agreed that it would be dangerous to a child to give it in one dose. The coroner expressed the view that the mother inadvertently gave a dose which was probably too much for a delicate child.

# A PARALDEHYDE AND STRYCHNINE MIXTURE

An inquest was held by the coroner for the Forest of Dean division of Gloucestershire, on October 23, on the body of Alice Maria Sands, wife of a farmer at Bromesberrow Heath, Dymock, who died on August 31. Mr. C. F. Cuthbert, F.R.C.S.Ed., Gloucester, deposed to having prescribed a mixture containing sodium bicarbonate, ammonium bromide, ammonium carbonate, and "ordinary digitalis." The coroner produced a book in which appeared a prescription initialled "C. F. C." The prescription dispensed by various chemists was as follows:

∄j. ∄jss. Paraldchydi Ext. glycyrrh. liq. ... ... ... ... Tr. gent. co. ... Tr. nucis. vom. ... 5iv. ... ... ... mlxxx. ... ... ... ... Aq. ad . Jviij. M. Ft. mist. Sig.: -3ss. c. 3ss. aq. t.d.s.

Mr. Joachim Main, chemist and druggist, late with Ward & Woodman, chemists, Gloucester, giving evidence, said he had brought a copy of the prescription in question, dated September 11, 1920. It might have been an 8-oz. or a 16-oz. bottle which was supplied on that occasion. Other bottles were supplied on forty different dates which he enumerated. He dispensed some of these himself. He was in the shop at the time Mr. Cuthbert called, and heard Mr. Woodman ask if it was advisable to continue the medicine. Mr. Cuthbert replied, "Cease supplying," saying it would be best for them to go and see him (Mr. Cuthbert). In consequence of this, Mr. Woodman wrote to Mrs. Sands saying he did not care to supply any more. In all 44 bottles of medicine were supplied by Ward & Woodman. For a 16-oz. bottle 5s. 6d. was charged.

Mr. William Harrison Osborne, chemist and druggist, Ledbury, said he first supplied medicine on September 22, 1920, when a prescription was handed to him. It included paraldehyde and tincture of nux vomica. The witness gave the dates on which the mixture was dispensed. On one occasion he tried to dissuade Mrs. Sands from taking it. He told his assistants he would not supply more than one bottle a week. The bottles were 16-oz. bottles, and in all there were some 64 supplied by him. He had never been asked to stop supplying the drug by Mr. Sands or any member of the family.

Mr. Samuel James North, chemist and druggist, papagers to the Normal Druggies.

Mr. Samuel James North, chemist and druggist, nanager to the Newent Drug Co., Ltd., chemists, Newent, said the first time he supplied medicine to Mrs. Sands wos on February 1, 1921, from a prescription which was the same as that already referred to by Mr. Cuthbert. It had evidently been also dispensed by some other chemist. He did not keep a repeat prescription-book. He supplied in all about eight bottles of the medicine. In an ordinary cash transaction no record was kept of prescriptions unless they came under the Poisons Acts.

Mr. Percy Hupton, assistant to Mr. A. Stephens, chemist and druggist, Ledbury, said he should think he had made up three or four bottles of the mixture a week. It did not appear to be so frequent as to be a daily transaction. During a period of eight weeks he thought about 32 bottles were supplied. He always referred to the prescription when he made up the first few bottles, but did not do so when he got so used to this one. The original quantity of paraldehyde was reduced, but that did not affect any other ingredient.

Mr. Arthur Stephens, chemist and druggist, Ledbury, confirmed the evidence of his assistant as to the nature of the prescription. He had no record of when he first began to reduce the paraldehyde, which seemed to be "what deceased was after." Mr. Sands went to see him, and asked what he had better do regarding the medicine being supplied, and it was from that date that he reduced the paraldehyde. He should not take upon himself to reduce or increase ingredients in prescriptions, but it was after the call of the husband that he did so. He had no authority from Mr. Cuthbert to alter the prescription. If a patient asked him to leave out an ingredient he should do so. He should adhere in an ordinary way, of course, to the prescription of the medical man. Most of the dispensing was done by his assistant. He could only account for the absence from the bottle of the instruction as to taking it in water because the taking of the contents was so well known to Mrs. Sands. He could not say how many bottles he dispensed himself between June and August last. He could not accept the statement that 77 bottles had been dispensed between June 3 and August at 5s. each; in fact, it was not possible to do so. He denied that he had supplied a bottle of medicine every day for two months. He kept copies of prescriptions in a book for that purpose. The coroner said that was no record at all. The witness added that he had been in practice as a chemist since 1884. Prescriptions were copied into the prescription-book. He also kept a poison-book, day-book, and ledger.

Mr. John Webster, F.I.C., Home Office analyst, said that in the specimens submitted to him he found slight traces of strychnine. There was no evidence of paraldehyde; on distillation he found traces of that article, but detected no other poison. What he found was not inconsistent with death from strychnine. Regarding paraldehyde, which was a volatile substance, it might disappear very rapidly after post-mortem examination, so that if large doses had been taken, small traces would be left. Taken in excess a great deal was rapidly eliminated. Paraldehyde was toxic, but only one or two fatal cases had been recorded, one in which 3ij had caused death. If deceased had been taking strychnine regularly that would account for the small quantity found.

Various medical and other witnesses gave evidence, and after an inquiry lasting six hours the coroner summed up. Referring to the circumstances of the death, he said that when a patient went to a medical man who prescribed for him or her, that prescription became the property of the patient, and should not in such a case be hawked round. It was beyond the power of a chemist to alter any such prescription. The only protection a chemist had on any and every sale was to set down in black and white the ingredients of a prescription handed to him. There was no such thing in law as "repeat prescriptions." The action of Mr. Stephens in this case was a remarkable one, and he criticised strongly his action in supplying some 77 bottles at 5s. each, even though he appeared to have had some regard to humanity by listening to the appeal to reduce the strength of the medicine. He hoped there would be no repetition of altering a medical man's prescription without the latter's authority.

The jury returned a verdict to the effect that death was due to strychnine taken in excess, and considered that the Ledbury and Newent chemists were very lax in supplying such a quantity of the medicines.

GERMAN POTASH OUTPUT.—Germany's potash output in the first half of 1922 was 5,893.711 metric tons, containing 682,785 tons of pure potash. The home sale of potash is extremely active, being 58 per cent. higher than in 1921.

# Legal Reports

Doctor's Drug-bill.—In the Mayor's and City of London Court, on October 20, before Deputy Judge Shewell Cooper, Willows, Francis, Butler & Thompson, Ltd., wholesale druggists, 40 Aldersgate Street, E.C., sought to enforce payment of £41 11s. due for drugs supplied to the defendant, Dr. Maurice Anderson, 43 Brixton Hill. The Deputy Judge said that the defendant had written to say that he was making satisfactory arrangements for the payment of the debt, as he had sold his practice. The case was adjourned for a week.

Toilet-scap Transaction.—In the Mayor's and City of London Court, on October 23, Mrs. B. A. Minelli, soap mer chant, 50 Carter Lane, E.C., sued Mr. Arthur Johnson, trading as Wenamakers, 5 Monument Street, for £75 15s. 3d., upon a dishonoured cheque in respect of Marguerite Vienna toilet-soap sold. The case had been partly heard by the late Judge Jackson, but was tried de novo by Deputy Judge Shewell Cooper (C. & D., October 7, p. 490). Similar evidence was given for the plaintiff, and the defendant and his partner, who were called, stated that it was boxes of soap that were bought, not tablets. This evidence was confirmed by Mr. Cyril Hurst, who was present when the purchase took place. The Deputy Judge said he was very much impressed with the evidence of Ehrlich (C. & D., October 7, p. 490). He was inclined to think there was no ambiguity in the contract. Comparing the two versions, he accepted the plaintiff's. He thought there was a possibility that there had been a bona fide mistake. Judgment for the plaintiff.

Claim for Bottles.—In the Mayor's and City of London Court, on October 19, before Mr. Registrar Dell. G. Moors & Sons, Ltd., glass-bottle manufacturers, 34 Great Tower Street, E.C., made a claim against the British Turvey Treatment Association, Ltd., 2 Harewood Place, for £1 4s. for bottles supplied. Plaintiffs' book-keeper said the order in question, for sample bottles with corks, was given over the telephone. The defendants' representative said the defendant company was not in existence at the time of the delivery of the goods in 1919. The certificate of incorporation of the company was put in, showing they were not incorporated until January 19 of the present year. The plaintiffs' witness said that a previous summons had been issued against the British Turvey Association, and was not accepted in consequence of being wrongly described. The Registrar said it was quite obvious to him from the documents and from the evidence given on the part of the plaintiffs that somebody had had the plaintiffs' goods, and they ought to be paid for them. He did not like the methods adopted in the case, and he should adjourn it for a fortnight. If the money was not paid he should then make a suggestion as to how he thought the plaintiffs might obtain payment. The case was adjourned.

Dangerous Drugs Act Fine.—At Liverpool Police Court, on October 25, George Andrew Dalrymple and Sydney Joseph Banks, partners in a firm of wholesale druggists, North Hill Street, appeared in answer to four summonses under the Dangerous Drugs Act. The summonses were in respect of failing to make an entry of the sale and purchase of "dangerous" drugs, failing to keep dangerous drugs under lock and key, and failing to keep dangerous drugs under lock and key, and failing to keep dangerous drugs under lock and key, and failing to keep dangerous drugs under lock on some part of the premises, ready at all times for inspection. It was stated that an inspector visited the firm's premises on September 14. Some of the drugs were seen on the office floor. open to employees, including girls, and some in a small unlocked cupboard, among stationery. While the inspector was there, Mr. Dalrymple said he would go home for the register. He was away for two hours, and when the inspector saw the register he suspected that a number of entries had been only recently made. There was no suggestion of illicit dealing in drugs or of any wrongful disposal. It was urged in defence that the firm had been understaffed and overworked, and that the office where the drugs were seen in an unlocked cupboard was under the constant supervision of a partner. The Home Office had renewed the firm's licence. Each of the defendants was fined £25 on each of the four summonses.

Sale of a Medicated Wine.—At Wallsend, on October 24, Taylor's Drug Co., Ltd., were charged with having sold liquor without a licence, in the form of "Blood Wine," on August 28. The defendants were represented by Mr. C. J. Frankland (instructed by Armitage, Speight & Ashworth, Leeds). Dr. J. T. Dunn, county analyst, stated in evidence that the sample of "Blood Wine" sent to him by the police contained an iron compound, together with alcohol equivalent to 25.5 per cent. of proof spirit by volume. He suspected that the wine used was port. In reply to the clerk to the justices, the witness stated that the sample was certainly intoxicating liquor. He agreed, however, with Mr. Frankland that this was not the kind of thing one would drink for preference, and that ordinary people would not consider this to be a beverage. The sample, in fact, was medicated wine containing spirit. Mr. Frankland said that many pharmaceutical prescriptions contained up to 90 per cent. of alcohol, and that eau de Cologne, which any hairdresser or grocer might sell without a licence, contained 30 per cent. of alcohol. Many hair-washes, moreover, contained alcohol in substantial proportions, as did many of the wines of the British Pharmacopæia. Iron citrate wine was prescribed by thousands of doctors. He submitted that there was no case to answer, as the wine was sold under an exemption clause affecting the sale of intoxicating liquor. The case was dismissed with costs, the Mayor remarking that the defendants had been "sailing very near the wind."

# Hairdressers' Exhibition

THE first annual Hairdressing and Allied Trades Exhibition is being held in the Royal Horticultural Hall, London, S.W., from October 21 to 27. Hair-dyes and restorers, as would be expected, are well represented, and in this connection may be mentioned the exhibits of Nuctone by Stewart, Goodall & Dunlop, Ltd., who claim that their preparation is an antiseptic lotion free from lead, sulphur and other objectionable ingredients; REMIDO, a hair colouring obtainable in a dozen different shades, by G. Tarlita; Inecto, with which is supplied explicit directions regarding its method of application and of discovering as to whether a person is predisposed to skin-disease; and L'Oreal Henne, a double-application process for colouring white hairs without imparting a Javiery shade to the past of the hair. The Pritial a darker shade to the rest of the hair. The British agents are Debaco & Harrop. The Evan-Williams Co., LTD., who claim to be the originators of henna shampoo, LTD., who claim to be the originators of hema shampoo, have an attractive display of their various preparations. At the time of our visit an elderly lady with white hair was undergoing the process of being "hennaed" to demonstrate what can be accomplished by the company's preparation. At the stand of PRICHARD & CONSTANCE (WHOLESALE), LTD., over which Mr. Brittain presided, a whole range of Amami toilet-requisites is to be seen. The lavender water, in bottles of novel shape, is distilled from lavender grown at Mr. Brittain's farm at Old Southgate London N. and flowers from the same Old Southgate, London, N., and flowers from the same establishment enter into the composition of "Love in a Mist" pot pourri. This is packed in attractive tulle and georgette sachets, and is reported as a ready seller. Toilet-preparations also form the greater part of the whilst of M. Cympus Lybe who have the same and the same and the same are same as the same and the same are same as the same are same are same are same as the same are same are same are same are same are same as the same are same ar exhibit of MA CHERIE, LTD., who have a good selection of perfumes suitable for Christmas trade. Rubber (Paremse) toilet-requisites, such as washing-gloves, are also displayed. Glorias, Ltd., have a good selection of powders, creams and perfumes, the last-named being packed in striking containers. The stand of G. W. Ruff is also of interest in this connection. The exhibit of the Mason Pearson Selling Agency is confined to hairbrushes, the qualities of which are well-known. Phyllis EARLE, LTD., has an arresting stand depicting mountains (the Carpathians), from the volcanic wells of which Kemolite, a radio-active plasma, is obtained. This pro-This proprietary occupies a prominent position in an artistic display of nail-polishes, powders and creams. Good selections of puffs are to be found at the stands of Osborne Garrett & Co. and Jarvis & Co.

# New Companies

and Company News

P.C. means Private Company and R.O. Registered Office

Vel. Ltd. (P.C.).—Capital, £2,000. Objects: To carry on the business of manufacturers of and dealers in artificial manures and waste products, chemists, druggists, drysalters, etc. R.O.: Prospect Works, Cherry, Tree, Blackburn.

HORTON MANUFACTURING Co., LTD. (P.C.).—Capital, £5,000. Objects: To manufacture, sell and deal in the liquid soap known as Horton's Liquid Soap, etc., and to adopt an agreement with R. F. W. Fincham. R.O.: Ebury Road, Rickmansworth.

SAVO, LTD. (P.C.).—Capital, £2,500. Objects: To adopt an agreement with F. T. Smith for the acquisition of the business carried on by him in connection with "Savo," and to carry on the business of manufacturers and preparers of washing powders, soap or soap powders, etc. R.O.: 27 Queen Victoria Street, London, E.C. 4.

Pacific and Atlantic Photos, Ltd. (P.C.).—Capital, £1,000. Objects: To carry on the business of photographers, manufacturers of cameras, cinematographs, stereoscopic and photographic apparatus and parts of optical goods, manufacturers and preparers of chemicals, plates, films and papers, etc. Solicitors: Warren & Penman, 14 Bedford Row, London, W.C. 1.

James Stephens (Torquay), Ltd. (P.C.).—Capital, £1,000. Objects: To acquire the secret formulas of the preparation known as Stephen's special hair grower and beautifier, and other preparations now manufactured at 78 Union Street, Torquay, Devon, by F. J. Stephens. The first directors are: W. C. Stephens, 56 Montalt Road, Woodford Green, Essex; F. J. Stephens, 1 Parkhurst Road, Torquay.

Frank Leslie (Chemists), Ltd. (P.C.).—Capital, \$23,000. Objects: To adopt an agreement with F. Leslie, and to carry on the business of chemists, sundrymen, dealers in photographic, fancy and scientific goods and instruments, perfumery and toilet goods, etc. The first directors are: F. Leslie and Mrs. M. Leslie, 119 Ardgowan Road, Catford; and T. G. Usher, 29 Merchiston Road, Catford. R.O.: 118 Rushey Green, Catford.

PRICKLY PEAR PRODUCTS (PROPRIETARY), LTD. (P.C.).—Capital, £15,000. Objects: To adopt an agreement with R. G. McLeod and J. B. White, and to carry on the business of manufacturers of and dealers in chemical preparations, mixtures, poisons, specifics and sprays for the treatment, destruction, elimination or diminution of noxious and other plants, trees and growths, including the prickly pear plant, etc. Solicitors: Julius, Edwards and Julius, 8 Old Jewry, London, E.C.2.

JOHN L. BAIRD & Co., LTD. (P.C.).—Capital, £2,000. Objects: To adopt an agreement with J. L. Baird, and to carry on the business of manufacturers of and dealers in soap, oils and oleaginous and saponaceous substances, toilet requisites, chemicals, drugs and chemists' sundries, photographic apparatus, lenses, and other optical goods. etc. The first directors are: J. L. Baird, 7 Pembridge Crescent, Notting Hill Gate, W. 11; S. J. De Biere, 6 Ebmore Road, Putney, S.W. R.O.: 16 Water Lane, London, E.C. 3.

STEPHEN SMITH & Co., LTD. (Hall's Wine) propose to pay  $13\frac{1}{2}$  per cent. free of tax on their preference shares and  $17\frac{1}{2}$  per cent. on the ordinary, all free of tax.

ACTE & Co., Ltd., Patent Medicine Manufacturers, etc., 70 Newman Street, London, W.—A compulsory winding-up order was made against this company in February last, upon a creditor's petition, and accounts had been lodged showing total liabilities £26,869, assets valued at £5,217 (absorbed in debenture claims), and a deficiency of £24,508 with regard to contributories. Mr. E. T. A. Phillips, official receiver, reports that the company was incorporated as a private company on August 31, 1910, with a nominal capital of £4,000 in £1 shares, and was formed to purchase the stock-in-trade and carry

on the business of Acte & Co. as dealers in pictorial postcards and fancy goods. The issued capital of the company was £2,861, the whole of which was subscribed for cash. The company carried on business in that way until the end of 1916, but then directed its activities into different channels. On July 7, 1916, a deed of assignment was executed by Mrs. Fanny Jane Atkinson, the executrix of the will of the late Charles Higham Atkinson, in favour of the company, transferring the whole of her interests in the business of manufacturer and vendor of patent medicines and advertising agents and vendor of patent medicines and advertising agents which had been carried on by the deceased under the style, inter alia, of "The Antipon Company," including trade-marks, book debts, and orders in hand, plant, stock-in-trade, etc. The consideration for the sale was stock-in-trade, etc. The consideration for the sale was fixed at £1,350, which sum was provided by Mrs. Lily Powell, who received shares in the company. The premises at 27 Store Street, W.C., where the Antipon business had been carried on, were also taken over on a yearly tenancy at an annual rent of £150. The business was wholesale. Mr. A. E. Powell (a director) states that in 1917 two formulas for the manufacture of "Urace" and "Vikwik," preparations used for the cure of rheumatism, were acquired from one Stanforth for the sum of £50. The company continued to manufacture "Vikwik," and "Urace" was made up by various manufacturing chemists. In connection with the patent medicine businesses losses were made and very considerable liabilities were incurred in respect of advertising, only a comparatively small part of which were discharged out of the takings of the company. The total liabilities outa comparatively small part of which were discharged out of the takings of the company. The total liabilities outstanding in this connection are shown in the statement of affairs at the sum of £7.153 8s. 2d., and are made up as follows: Advertising, £5.898; goods supplied, £944 5s. 7d.; printing, £296 10s. 9d.; and cartage, £14 11s. 10d. A watch-making business was commenced early in 1921, and proved equally unsuccessful. In November, 1921, it was suggested to the directors that the patent medicine businesses were beyond the scope of the company's memorandum of association, and they of the company's memorandum of association, and they thereupon obtained the opinion of counsel on the matter, with the result that the transactions relating to these businesses were stated to be ultra vires the company. The liquidator will have to consider whether the loss incurred in carrying on these businesses can be recovered from the directors. On November 26, 1921, a company called World's Parent Trading Association, Ltd., was registered with a nominal capital of £6,000. divided into 6,000 shares of £1 each, with the object, inter alia, of acquiring and carrying on the patent medicine businesses formerly carried on by the company. The new company, under an agreement made in December, 1921, undertook to pay the sum of £2,468 12s. for these businesses, the purchase price being based on a valuation made by Mr. Stanley Palmer, 16 Great Russell Street, W.C. 1. The purchase price has been duly paid in cash. The new company did not take over the liabilities in connection with these businesses. The company carried on its business by means of borrowed money; these advances were obtained from Mrs. Lily Powell, who was incurred in carrying on these businesses can be recovered advances were obtained from Mrs. Lily Powell, who was given debentures for £4,000 as security for a debt of £5,000, further debentures for £1.000 being issued in April, 1921, to A. Bates & Co., Ltd., who were pressing the company for payment of their account for advertising. On January 19, 1922, Mrs. Lily Powell appointed Mr. Harold Eves, solicitor, 63 Ludgate Hill, E.C., as receiver on her behalf. That gentleman has realised the company's assets and distributed the proceeds, his account showing assets and distributed the proceeds, his account showing receipts £5,207 and payments of the same amount, the chief items being £5,900 to Mrs. Lily Powell and £975 to Alfred Bates & Co., Ltd. Mr. A. E. Powell states that, in his opinion, the failure of the company is due chiefly to the heavy expenses incurred in advertising, the benefit derived therefrom proving insufficient to reimburse the company. The Official Receiver concurs in this view, but is of opinion that bad management on the part of the officers of the company was mainly responpart of the officers of the company was mainly responsible for the embarrassed position in which the company found itself; in addition, there appears to have been a serious lack of working capital throughout. The liquidation remains in the hands of the Official Receiver.

# Thyroid Medication

II.

The publication of my previous article on this subject (O. & D., September 23, p. 442) has aroused interest in several quarters, and has evoked expressions as to the necessity of further research. It is a topic in which every pharmacist should have an interest—an active interest—and it will be unfortunate if it is allowed to languish or resolve itself into a discussion as to whether the iodine content of the dried gland should be 2 per cent. or otherwise. This is not the point it is wished to emphasise, though, in the absence of a more definite standard, it is better than none. Iodine has been the fetish of thyroid research for at least 30 years, and most authorities have worshipped it, just as their predecessors of the past generation worshipped its twin bogey, the "uric acid diathesis." Vincent, indeed, points out "that of the chemical nature of the 'internal secretion' nothing is known. The signification of iodine is entirely problematical, though the beneficial effects of thyroid substance administered as a drug seems to depend upon its iodine content."

seems to depend upon its iodine content."

As already stated, the active principle of thyroid is supposed to be thyrosin. This body is a 1,000 times stronger than thyroid sicc. B.P., 1/60 grain being equal to 15.5 grains of the dried gland, the dose ranging from 1/300 grain to 1/30 grain. It contains 65 per cent iodine, and the price of 100 tablets is 70s. This appears to be an almost prohibitory price for use in ordinary treatment. The clinical results, moreover, appear to be little better than those obtained with the dried product. The single dose of 1/300 grain reaches its maximum effect in ten days, and its effects continue for three weeks, but even so it is a poor substitute for the special properties which the fresh gland possesses. I have had the opportunity of perusing the paper read by Dr. Crichton Miller at the meeting of the British Medical Association at Glasgow. He says, with regard to thyroid therapy:—

"Even in our empiricism we are hampered for the simple reason we are in the hands of the commercial drug houses. I took the trouble to inquire of several well-known firms not long ago whether their respective preparations of thyroid contained—or did not contain—a parathyroid constituent. The replies were very depressing. A firm, whose accuracy I have reason to trust, explained that owing to the variation in the position of the parathyroid there was always liable to be a slight amount present in thyroid preparation. They had only succeeded in isolating parathyroid in very small quantities and at great expense. Another firm confesses the same uncertainty, and expressed scepticism as to the possibility of detecting and separating the parathyroid from the thyroid. A well-known American firm reported that they had only found one man in the United States who was able to locate the parathyroid and extract it for use. The accumulation of detailed evidence in this direction makes one inclined to discount as mere commercial rhetoric the unqualified statements of other firms that their thyroid or parathyroid tablets were prepared in each case from the gland, the whole gland, and nothing but the gland."

This extract is taken from a long paper, and it does appear as if some explanation is required from some of the firms who have specialised in thyroid tablets. How can we have faith when we have one authority on this subject stating that from doses of ½ grain dried gland numerous patients have developed unpleasant and dangerous symptoms and a number of other patients may consume the tablets in wholesale quantities without any untoward results? These divergencies cannot be altogether ascribed to personal idiosyncrasy. It is possible in the light of D1 Millar's inquiry that as the thyroid and parathyroid are mutually antagonistic, the answer may be found here. The dose of para. is small, 1/20-1/10 grain, and it is conceivable that a tablet of thyroid containing this small quantity of para may be rendered more or less inert by its presence. Cases are quoted recently where prescriptions have been dispensed for parathyroid in bulk—the patient to measure the dose herself on a threepenny bit—and numerous cases have passed through my hands where 50 and 100 tablets, without direction, have been ordered. Empiricisis is scarcely the name for this form of treatment; a much more appropriate and expressive term can be applied to it.

A case has surely been made out for further research in other directions than the iodic content. In the meantime it would be interesting to have a series of estimations of the tablets which have been stocked under varying conditions of age, temperature and light, with a view of discovering the cause of discrepancy in activity. The anxiety with regard to the efficiency of thyroid is not confined to that substance alone, but extends to the whole of the endocrinic bodies. It is possible that some follower of Takamin may be able to emulate his work on the suprarenals by exploring the whole field of internal secretions, without any reference to professional shibboleths, and reveal to us the real principles which control the activities in glandular therapy.

# Safeguarding Industries Act

Gallic Acid Decision

THE following is the Referce's decision in the gallic acid case:—The complaint in this case is that gallic acid has been improperly excluded by the Board of Trade from the Lists of articles dutiable under the Act. Gallic acid was originally included in the List. Complaint was mrde of this inclusion, and the Board of Trade took it out of the List in the belief that it was covered by something I said in the tartaric acid case. There was not any real contest at the hearing before me. None of the persons who might be interested in maintaining the exclusion of the substance from the List attended to take part in it. I am satisfied that the usual notices have been given and that persons interested have had the usual opportunities of giving evidence and of taking part in the argument. I regret that not one of them has availed himself of these. On the evidence of Mr. Hill and Mr. Rose, and of the chemical journals and catalogues that were put in, I find that gallic acid has been and is regarded by the trade as a fine chemical. I think, therefore, that the original inclusion of the substance in the List was right, and that its present exclusion is wrong. The reason for this exclusion is the supposition that in the tartaric acid case I defined a heavy chemical as a commercial product mainly used for industrial purposes. It is said that as gallic acid is a commercial product almost entirely used for industrial purposes, therefore it is a heavy chemical. So far from laying down any definition in the tartaric acid case of the terms "heavy and "fine," I expressly decided that there was no scientific or trade definition of the terms and that therefore the test was the trade classification in each particular case. The view that I intended to express in the tartaric acid case was this: there was no definition of "heavy" or "fine," but that in ascertaining how any particular substance had been regarded by the trade one would probably find that the purpose to which the substance had been put had had a good deal to do with its classification, and that for the most part chemicals mainly used, and used to a substantial extent in industry, had been classified as "heavy." I do not think that this applies to photographic chemicals. As to gallic acid, the total quantity used in a year is comparatively small, and I find on the evidence that the trade has regarded it as a fine chemical. Applying, therefore, the same test as that applied in the tartaric acid case I come to the conclusion that gallic acid should be included in the List, and I so award. No costs.

GLASS-POLISHING REACTION.—The report of an investigation on the determination of the durability of optical glass by Mr. T. Haigh confirms the interesting fact, already known in the workshop, that in the glass-polishing process alkali is dissolved from the surface layer, which, with a few exceptions, becomes more durable. Workshop experience shows that a new cloth polisher tested with litmus will usually be found to be slightly acid; after a few hours of working it will be neutral; and thereafter it becomes strongly alkaline. A pitch polisher reacts similarly, but it does not retain the dissolved alkali to the same extent.

# **Festivities**

# Whist-drive at Leicester

A WHIST-DRIVE and dance was held by the Leicester and Leicestershire Pharmaceutical Assistants' Association on October 17. Mrs. Timson won the interval prize, and Mr. Shaw the mystery prize. The other winners were: Ladies: Mrs. E. Bent, Miss J. Worley, Mrs. Westhead, and Miss G. Robinson; Gentlemen: Mr. A. Voss, Mr. J. H.: Herbert, Miss F. M. Taylor (playing as gentleman). Consolation, Miss G. V. Beaver and Miss D. Smith. Mr. Barker distributed the awards. Mr. R. W. Bowles, secretary of the Association, presided over the drive, the first of a series of four organised for this season.

# Portsmouth Pharmacists' Dinner

On October 18, a dinner was held by the Portsmouth Pharmacists' Association at the Royal Pier Hotel. Mr. and Mrs. A. B. Sparrow presided. Mr. G. A. Mallinson proposed the toast of "The Portsmouth Pharmacists' Association," and Mr. W. R. Atterbury, Vice-President, proposed "The Pharmaceutical Society and the Retail Pharmacists' Union." Mr. F. B. Wride, President of the Southampton Association, tendered thanks to the contributors of the musical programme, chief of whom were Miss Bell, Mrs. W. L. Egerton, and Mr. W. H. Brown, accompanist. Mr. W. Coates proposed "The Ladies," and Mrs. Egerton responded.

# Nor.h London Chemists' Reunion

On October 19 the North London Pharmaceutical Association held a whist drive and dance to inaugurate the session. The arrangements had been made by the Islington chemists, for whom Mr. J. Hearle acted as secretary, and the prizes were presented by the committee. Twelve hands were played at whist, and an adjournment was made for refreshments during which the floor was prepared for dancing. Mr. W. E. Swanston was M.C. An interval was called for presentation of the prizes won at whist, the winners being:—Ladies: Miss Ryan, Mrs. Bennett and Mrs. Rawlins. Gentlemen: Mr. A. R. Keith, Mr. Perrett, and Mr. J. Angus. The presentations were made by Mrs. A. H. Jenkin, wife of the President. A vote of thanks, on the motion of the President, was accorded to the Islington committee for the excellent programme provided, and afterwards dancing was continued until a late hour. An interesting feature of the evening was the number of the younger chemists who came and helped to make the evening a success.

# Under the Plane Tree

When the ordinary male person unaccustomed to the geography of Bloomsbury eventually discovers the cosy social haunt of the London Group of Women Pharmacists all is well. With hostesses like Mrs. Irvine, Miss Margaret Buchanan, Miss Borrowman, and her fellow members, the masculine efforts at social entertainment pale their ineffectual fires. Between sixty and seventy were gathered together at the Plane Tree in Great Russell Street, W.C., on October 25, to enjoy the amenities of social intercourse combined with a whist-drive and light refreshments. Among the "outsiders" (who, however, were treated as intimates) were: Mr. and Mrs. A. R. Keith, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. J. P. Gilmour, Mr. and Mrs. W. Chalmers, Mr. and Mrs. A. McBride, Mr. J. P. Ellerington, and Mr. G. Malcolm. Play began about 8 o'clock and proceeded merrily until about half-past nine, when there was a short interruption for refreshments. Play was then resumed, and eventually the prize-winners were announced as follows:—Ladies: 1st prize, Miss Peck; 2nd, Mrs. McBride; 3rd, Miss N. Hodgkinson; consolation prize, Miss King. As regards the gentlemen's prizes, owing to a superfluify of the female element several ladies had to play as gentlemen. It is characteristic of the times that all the gentlemen's prizes went to lady representatives of the male sex. They were: 1st prize, Miss Hayes; 2nd, Mrs. Elgar; 3rd, Miss Anstey; consolation prize, Mrs. Gilmour.

# Manchester Masonic Pharmacists' Meeting

The Manchester Pharmacists' Masonic Association opened the winter session on October 18. After fraternal greetings had been exchanged, the brethren sat down to dinner. Afterwards the various officers for the ensuing year were elected, and the secretary's and treasurer's reports were passed. Bro. D. Dickson, the retiring chairman, nominated Wor. Bro. H. Thompson as his successor. This was unanimously agreed to. Bro. A. Newton, the retiring secretary, was elected vice-chairman, Bro. H. Woodhead taking his place. Wor. Bro. A. H. Lyons continues in his capacity as D.C., and Bro. Leigh Bennett and Bro. Nidd were elected to the Committee. The labours of the evening having been concluded, the brethren returned to their social board. After the loyal toasts, "The Chairman and Vice-Chairman" were given by Bro. D. Dickson and Wor. Bro. C. H. Griffiths. Bro. Sir Wm. Veno proposed the health of "The Visitors," to which Wor. Bro. Rev. Dyer Bray responded in humorous vein. The health of "Our D.C." was proposed by Bro. Darbyshire," and "Our Retiring Chairman" by Bro. Leigh Bennett. Bro. A. Newton gave his usual "Minutes of the last meeting," which on this occasion was a humorous report of the summer picnic. Wor. Bro. Dr. Sturrock proposed the health of "The Past Chairmen of the Society," and contributed to the enjoyment of the evening with "Harry Lauderisms." Other musical items were given by Wor. Bro. Vallance, Wor. Bro. C. H. Griffiths, and Bro. Moore, and recitals by Wor. Bro. Hoyland and Bro. Moore, and recitals by Wor. Bro. Hoyland and Bro. Coates.

# Retail Pharmacists' Union

Birmingham.—A meeting of the Committee of the Birmingham Branch was held on October 23, when the following officers were elected: Chairman, Mr. H. H. Marshall; Vice-Chairman, Mr. G. Knowles; Treasurer, Councillor J. Poole; Secretary, Mr. F. Smith. It was agreed that at the expiry of the present year the committees dealing with the minimum prices scheme, the hospitals and clinics dispensing, and unremunerative proprietaries shall be elected.

Manchester.—A meeting of the Executive of the Manchester and Salford Branch was held on October 24, Mr. A. Hershberg in the chair. Mr. F. W. Bates, J.P., reported on the work accomplished during the past few months. He mentioned the many undertakings in hand, which, he said, would prove of great service to those who belonged to such a splendidly organised body as the R.P.U. The chairman then proposed Mr. Cuthford as chairman for the coming year. This was carried with acclamation. Mr. A. Hershberg was thanked for the manner in which he had carried out the duties of chairman during the past year. Mr. Scholes (Eccles) was elected Vice-Chairman; Mr. T. Miller was re-elected Hon. Secretary; and Mr. A. Haines, Treasurer.

Portsmouth.—Mr. A. B. Sparrow presided at a meeting of local pharmacists on October 18, when the chief speaker was Mr. G. A. Mallinson, secretary to the Retail Pharmacists' Union. His argument was chiefly to show that members obtained good value for their subscriptions. The Proprietary Articles Trade Association was the concern of Sir W. Glyn-Jones, and he would pass that by. But on the Chemists' Defence Association, stocktaking, design service, and the remaining matters of the red supplement, he dwelt at considerable length. Regarding Mutual Insurance, he said that retail chemists' risks are light, and that of present premiums not 60 per cent. was necessary to meet loss and damage.

PATENT MEDICINES IN PALESTINE.—The "Commercial Bulletin" of the Palestine Government contains a notice stating that samples of patent medicines imported into Palestine are exempt from import duty provided that the package and the label of the bottle are marked "Free Sample." The quantity and amount which will be thus admitted will be determined by the local Customs authorities in consultation with the Government medical officer concerned.

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# Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

# Local Reports

# ENGLAND AND WALES

Bury.—The Pharmaceutical Committee met on October 18, Mr. C. C. Allcock (chairman) presiding. The reports of the Checking Bureau show that a satisfactory standard of prices is maintained. It was resolved that the three pharmacists on the Pharmaceutical Service Sub-Committee be the same as last year (Messrs. C. C. Allcock, E. L. Shepherd and D. Williamson). The secretary reported that two additional firms had been admitted to the panel. A letter was read from the Clerk to the Insurance Committee drawing attention to differences in interpretation of ung. iodi (Bury). The secretary was instructed to write to the Insurance Committee and point out that the Bury Formulary was obsolete, and that the out that the Bury Formulary was obsolete, and that the prescriber should write this prescription in full. The Committee thought it advisable to represent to the Insurance Committee that duplicate prescriptions should be provided, so that the necessity for copying would be done and the provided the provided the duplicate were retained in a away with, provided the duplicates were retained in a convenient form for reference. Invitations to members of the Pharmaceutical Committee to attend the meetings of the Bury Chamber of Trade were distributed; and also invitations to attend the Manchester Chemists' Exhibition and the Manchester Chemists' Exhibition and the Manchester Chemists' Exhibitions to attend the Manchester Chemists' Exhibiti tion to be held in November. Statistical data which were presented for the year 1921, showed that the total cost of prescriptions was £47,447 1s., the total number being 1,189,387. The average ingredient price was 4.15d., dispensing fee 5.42d. The percentage of error agreed on with the R.P.U. was 0.02. The expenditure of the Checking Bureau apportioned among the various committees was £1,702 7s. 11d.

Exeter.—The Devon Insurance Committee held their quarterly meeting on October 23, Mr. Philip F. Rowsell (Mayor of Exeter) presiding. The Dispensing Sub-Committee did not approve of "urgent fees" being paid to chemists, except for prescriptions dispensed after 8 p.m. The Committee had asked one doctor to change his consulting hours from 7.30-8 to 7-7.30 p.m. Dr. H. C. Jonas, Ministry of Health representative, said a number of chemists did not understand the terms, and he thought they ought to be advised. The Joint Pricing Committee pointed out that the scripts of an insurance chemist for the months of January to August were only received on October 3, and called attention to the unnecessary time and trouble that the pricing of the scripts entailed. Mr. E. H. Toogood said that representations were made to the chemist, without any result. The Committee decided that the "additional cost, reasonably and necessarily incurred by the Bureau in pricing the prescriptions in question, might be deducted from the chemist's account." Mr. Rowsell, who has been chairman of the Committee since its formation, was re-elected.

Southend-on-Sea.—A meeting of the Pharmaceutical Committee was held on October 13, Mr. F. H. King in the chair. The secretary was instructed to inform the clerk of the Insurance Committee that, in the opinion of the Pharmaceutical Committee, duplicate prescription forms should be continued for this area. Reports of the Ceutral Checking Bureau adopted for May, July and September confirmed the high standard of accuracy maintained by the Pricing Bureau. The secretary was requested to remind panel chemists of the importance of maintaining proper standards for medicines and maintaining appliances.

Warwickshire.—The Pharmaceutical Committee met on October 19. The secretary reported that the protest against the reduction in remuneration for Insurance dispensing had been forwarded to the Insurance Committee and read at their last meeting; he also gave a report of Panels and Pharmaceutical Committees to consider the proposed Group F formulary, and the promise of the doctors present to recommend its withdrawal or revision.

A vote of thanks was passed to the delegates, Messrs. Robinson, Williamson and Wooddisse, for their services as delegates to the Conference. The new standards in Insurance surgical dressings were welcomed, and the secretary was instructed to draw the attention of panel the Central Checking Bureau was received for March, April, May and June, and the secretary was instructed to inquire into several cases of apparent discrepancy. It was decided to send a further payment to the Central Checking Bureau for their services. The adoption of a single form of prescription was not entertained by the Committee.

# October Drug Tariff

October Drug Tariff

The following are the alterations for October in the Insurance Drug Tariff for England and Wales:

Lower.—Acid. tartaric pulv., 2s. lb.; aq. aurant. flor., 1s. 6d. lb.; aq. rosæ, 1s. 4d. lb.; cocain. hydrochlor., 4s. dr.; ext. malti, 11d. lb.; ext. malt. c. ol. morrh. B.P.C., 11½d. lb.; lin. camph., 2s. 6d. lb.; morph. hydrochl., 12s. od oz.; naphthol, 5d. oz.; ol. limonis, 5s. 9d. lb.; ol. ricini, 11d. lb.; pepsin., 2s. 2d. oz.; potassa sulphurata, 1s. 4d. lb.; pot. chloras, 1s. 6d. lb.; pot. permang., 1s. 5d. lb.; sodii brom., 1s. 8d. lb.; sodii sulphocarb., 2s. 6d. lb.; suppos. glycerini 30m., 7.0d. per doz.; ditto 60m., 9.0d. per doz.; syr. ferri phosph. c. quin. et strych., 2s. 2d. lb.; terebenum, 4s. 9d. lb.; ung. acid. boric. B.P., 1s. 6d. lb. Ice bags, rubber, helmet shape, 126.0d. each.

Higher.—Ammon. ichthosulph., 4d. oz.; argent. nucleinas, 3s. oz.; bism. carb., 16s. 6d. lb.; bism. oxid., 2s. oz.; bism. subnit., 14s. 9d. lb.; menthol, 3s. 10d. oz.; morph. acet., 2s. 1d. dr.; ol. caryoph., 16s. 6d. bm.; papav. capsulæ ang., 12s. per 100; phenolphthalein, 8d. oz.; podoph. res., 2s. 10d. oz.; pulv. sodæ tart. eff., 8.3d. per doz.; quin. hydrochl. acid., 4s. 6d. oz.

# SCOTLAND

Dundee.—At a recent meeting of the Medical Benefit Committee, the clerk reported that the Scottish Board of Health had dismissed the appeal by a doctor against the Committee's decision to surcharge him the sum of £2 15s. 3d. in respect of excessive prescribing of emergency drugs. He also reported that the doctor had appealed to the Board against the Committee's decision to surcharge him £6 for excessive prescribing of malt and oil during February last. A letter was read from the secretary of the Panel Committee recommending that the same doctor be surcharged the sum of £3 3s. for excessive prescribing of malt and oil during December last.

Forfarshire.—The drug bill for the first eight months of the current year is £1,275 9s. 4d., as compared with £1,186 18s. 2d. for the corresponding period of the previous year.

# Central Checking Bureau

The following statement shows, for the first half of the years 1915 to 1922 (January to June inclusive), the number of forms allowed, the value, and the average price in the burghs and the countries (i.e., the whole of

	Burghs				Counties			
Year	No. of forms	Value		Av. price per form	No. of forms	Value	Av. price per form	
1915 1916 1917 1918 1919 1920 1921 1922	825,366 678,225 652,804 608,282 680,873 720,322 684,955 795,464	£ 8. 32,473 7 28,805 9 25,459 13 27,794 7 33,690 18 49,074 6 39,799 10 42,802 9	d. 1 915 821 2 0 3 3	d. 9.44 10.19 9.36 10.96 11.87 16.35 13.93 12.91	428,201 362,061 341,577 324,659 390,860 406,605 390,589 460,837	£ s. d. 17,735 10 2½ 16,405 8 0 14,093 15 4 16,154 1 1 20,852 1 11 29,285 11 11½ 23,737 8 11½ 25,651 6 3	d. 9.94 10.87 9.90 11.94 12.80 17.28 14.58 13,35	

THE business of Cartwright & Son, Ltd., chemists, 104 Snargate Street, Dover, has been purchased by Mr. J. Douglas. Mr. A. H. Cartwright, chemist and dentist, will continue his dental practice at this address, and will shortly open another room at 13 Market Square.

# Sale of Early Bronze Mortars

On October 20 a collection of thirty-one old mortars came under the hammer in the West End of London. The catalogue set forth the collection as formed by Sir Jesse Boot, Bt., but in reality the specimens were acquired in the same famous sale-rooms on behalf of that gentleman in June 1920, on which occasion they were de-scribed as the property of a member of the Pharmaceutical Society. Competition was much more spirited at the earlier sale, as a well-known Manchester anti-quarian, though failing to purchase, materially assisted the total realised—a sum almost three times greater than the present total. This fact in no way indicates a current lack of interest in old mortars, as it requires only two people, obsessed with the desire of possession and having the means, to create a duel. The buyers on the latter occasion were not a sentimental crowd, but keenly discriminating, while generality of each is reflected. keenly discriminating, while scarcity of cash is reflected in luxury transactions. The occasion was, however, a fine opportunity. A rare little mortar with the arms of the Commonwealth was perhaps the bargain of the day, being knocked down for £4 4s. Dated specimens sold for about £7 7s. The less interesting specimens with conventional ornamentation, and those with the emblems worn or damaged, averaged from 2½ to 3½ guineas. Two Stuart specimens, which, in 1920, sold for £22, failed to realise on this occasion more than 4½ guineas. The auctioneers mentioned but a few names of buyers, among whom were Messrs. Marples. Davison. Chadwick, and whom were Messrs. Marples, Davison, Chadwick, and Maskew, the last-named securing several of the dated and higher-priced specimens. The chief lots were as follows :-

A mortar, decorated with a raised band of acanthus and flames, and with two dolphin handles,  $4\frac{1}{4}$  in. high.

An English mortar, with winged caryatid heads in square panels, and with initials and date I.M.S. 1657, 4 in. high.

Another probably Italian decorated with Adam and Fro. Another, probably Italian, decorated with Adam and Eve, in three oval medallions, late XVth century, 4 in. high.

Another, decorated with three heads of Bacchus, 33 in.

A French mortar, decorated with female heads in oval medallions, divided by ribbed bands in high relief, and with a border of fleurs de lys, XVIIth century, 4½ in.

A Stuart Mortar, with four fleurs de lys in relief, 33 in. high

Another, the obverse and reverse with a crowned portrait

of Charles II. in relief, 42 in. high.

A Dutch mortar, decorated with arabesques and portrait

medallions, inscribed Loeft Godt van al, Ao 1612, and with two handles,  $4\frac{1}{4}$  in. high.

Another, English, the obverse and reverse with the arms of the Commonwealth in oval panels with laurel borders,

circa\_1650, 3½ in. high. A Renaissance mortar, with square and circular medallions divided by ribs in high relief, 4½ high, and pestle.

A mortar, with decoration in relief, with two handles,

XVth century, 5½ in. high.

An English mortar, with crowned portraits of Charles II.,

An English mortar, with crowned portraits of Charles II., 4½ in. high.

An Italian metal mortar, decorated with four portraits of Da Vinci, 3½ in. high.

A large mortar, inscribed S.S.V.B. 1624, and with reeded borders and two dolphin handles, 8 in. high.

Another, English, inscribed William Prat, 1642, in relief, 4½ in. high.

Another mortar, decorated with the Madonna and Child in Glory, in balloon shape panels,  $4\frac{1}{4}$  in, high, and pestle.

A Dutch mortar, decorated with griffins and vases of flowers, inscribed Liefte verwindt al dinck, Ao 98, XVIIth century,  $5\frac{1}{4}$  in, high, and pestle.

A mortar, with two crowned portraits of Charles II.,

8½ in. high.

Another, with the crowned Tudor rose, 4½ in. high.

Another mortar, decorated with a tower and rose, initials

G.V., and with one handle, XVIth century, 3½ in. high.

A Swiss mortar, decorated with a band of acanthus and

A Swiss in relief, and with two gargoyle handles, 5 in. high.

A Spanish mortar, with lions' heads in panels, divided by
ribs in relief, XVIth century, 4 in. high.

Another, English, with two crowned Tudor roses in relief,

41 in, high,
A small French mortar, with female heads in oval medallions divided by ribs, and with a border of fleurs de lys, 31 in. high.

# Personalities

WOR. BRO. JOHN NICOLSON (representative of R. Sumner & Co., Ltd., Liverpool), Stanley Lodge, No. 1325, was installed in Prince Architects Lodge, No. 4188, on October 21.

MR. A. H. Hale, chemist and druggist, Broadstairs, is shortly retiring from business. Mr. Hale passed the Qualifying examination in 1868, and has acted as subpostmaster at York Street for forty-five years.

Mr. F. S. Hankinson, formerly proprietor of Hankinson's Cash Pharmacy, Honor Oak Park, has joined the board of directors of Boyd Wilson & Co., Ltd., wholesale chemists, and sales depôt for Areca, with an appointment as general manager.

Mr. C. Andrews Pratt, chemist and druggist, President of the West Ham and District Association of Pharmacists, has been elected a member of the board of management of the Early Closing Association, which hitherto has not included a representative of the drug-

MR. James Cockrill, who has been with A. Wander, Ltd., manufacturing chemists, London, E.C. 1, for a number of years, representing the company in the North of England and in Scotland, has resigned his position owing to ill health. His numerous friends wish him a speedy recovery.

MR. F. E. Evans, chemist and druggist, Lymm, has recently been presented with a picture by the members of the local Conservative Club, of which he has been honorary secretary for a long period, in recognition of his valued services to the institution and in commemoration of his marriage.

MR. WILLIAM MASSEY, chemist and druggist, Guildford, was, on October 19, installed Worshipful Master of the Royal Alfred Lodge of Freemasons (No. 777). attendance at the ceremony was the largest in the history of the Lodge, the visitors including many members of Provincial rank.

Mr. R. H. Shields, chemist and druggist, Rochford, Essex, a past-President of the Southend-on-Sea Association of Pharmacists, has sustained a slight "stroke," and is confined to bed. It is hoped that he may make a rapid recovery, among his advantages being that his wife is a medical practitioner.

Among candidates at the forthcoming municipal elections are Mr. William Maskew, Ph.C., Hertford; Mr. Henry Ball, Ph.C., Southport; Mr. H. M. Tranmer, chemist and druggist, Smethwick; Mr. J. S. Snell, chemist and druggist, Accrington; Mr. T. Davies, chemist and druggist, Accrington; Mr. T. Davies, chemist and druggist, Carmarthen; Mr. J. L. Jenkins, chemist and druggist, and Mr. F. D. Phillips, chemist and druggist, Haverfordwest.

Mr. E. A. Onyon, chemist and druggist, Eye, Suffolk, has been invited to become Mayor for the ensuing year, and has accepted the office. Mr. Onyon has been a town councillor since 1909, and a county councillor for three years. At Eye he has held a variety of public positions; he was a member of the Military Tribunal, served on the Coal Control Committee, and was chairman of the Food Control Committee, During the war he was Lieutenant and Quartermaster of Suffolk R.A.M.C. (V.). He is also a well-known Freemason, and highly esteemed both by his brethren in Masonry and among all classes of the community. the community.

# Wills

MR. ROBERT WILLIAM HOGG, chemist and druggist, 11 Brinkburn Avenue, Gateshead, who died on September 15, left estate of the gross value of £758 17s. 7d., with net personalty £745 9s. 8d.

ALDERMAN GEORGE WOODHOUSE, retired chemist, Pengwerne, Ludlow, who died on August 10, left estate valued at £8,436 17s. 8d., with net personalty £7,204 18s. 9d. His sons, Wildish Moreton Woodhouse, chemist, 45 Bull Ring, Ludlow, and G. S. Woodhouse, of 135 Crowe Street, Ludlow, prove the will.

#### Births

Cross, Ph.C., Henry's Medical Hall, The Diamond, of a daughter.

MITCHELL.—At 16 Canberra Road, Gretna, on October 14, the wife of James Mitchell, chemist, of a son.

Morson.—At Merok, Radlett, Herts, on October 22, Dora, wife of L. Jules Morson (Thomas Morson & Son, Ltd., manufacturing chemists, London, W.C.1), of a son.

SWEENEY.—At 3 Gertrude Place, Barrhead, recently, the wife of J. Sweeney, chemist and druggist, of a daughter.

#### Marriage

DAVIDSON—GLICHRIST.—At Auchterless U.F. Church, on October 18, by the Rev. J. Scott, Alexander Davidson, Whitton House, Kelso, to Jessie Gray Gilchrist, chemist and druggist, Invergordon, daughter of Mr. James Gilchrist, J.P., Rothienorman, Aberdeenshire.

#### Deaths

CADBURY.—At the Manor House, Northfield, Birming-ham, on October 24, Mr. George Cadbury, chairman of



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MR. G. CADBURY

adbury, chairman of Cadbury, Brothers, Ltd., Bournville, aged eighty - three. Mr. Cadbury's family originally came from Exeter and settled in Birmingham about the end of the eighteenth century. Mr. Cadbury's father started in Bridge Street as a cocoa manufacturer in a small way. A few sentences from an illustrated account of the present works appearing in The CHEMIST AND DRUGGIST, I., 1898, p. 867, give an interesting glimpse of the early history of the undertaking: "... the father ... was a

retailer in Birmingham, and was doing a good business in Churchman's cocoa, an old-fashioned chocolate, when, in 1822, it struck him that the margin between the price of the raw material and what he paid for the manufactured article was rather wide. He therefore commenced to make the cake-cocoa . . ." In the article in question it was pointed out that the United Kingdom imports of raw cocoa had increased from 523,279 lb. in 1822 to 27,852,152 lb. in 1897. They are now considerably larger still. In 1861 the management of the factory was taken over by Mr. George Cadbury and an elder brother, Richard. The struggle before the two young men was a long one; for ten years they worked six days a week from seven in the morning till nine at night, and matters were at one time so unpromising that plans were made for Mr. George Cadbury to go out to Assam as a tea planter. In 1864, however, a turn of the tide took place; and from that time the history of the firm was one of unbroken prosperity. The works were removed to Bournville in 1879, and the business was subsequently converted into a limited liability company. Mr. Richard Cadbury died in 1899 at the age of sixty-three. Mr. George Cadbury's public and private philanthropy have become as proverbial as the far-sighted munificence of the company in providing model homes and other amenities for its 9,000 workpeople. He bought 250 acres of land close to the works at Bournville, and built, to begin with, 148 houses, each carefully planned and with its own garden. These houses were sold

at cost price on leases of 999 years—practically freehold—with the stipulation that the gardens should not be built over. Mr. Cadbury himself advanced the purchase money at  $2\frac{1}{2}$  per cent. interest, and planned the village. In 1901 this garden city, valued at upwards of £450,000, was made over to a trust under the Charity Commissioners for the benefit of the nation. Mr. Cadbury's family life was happy. In 1872 he married Mary Tylor, by whom he had three sons and two daughters. He married a second time in 1838, and his wife ably assisted him in his philanthropic work during the remainder of his long life. He was an active and conscientious member of the Society of Friends, and a man of simple tastes. In 1901 he assumed a share in the proprietorship of the "Daily News," of which paper he afterwards became for a time the sole owner; eventually, however, he transferred his interest in it to a trust administered by his sons. He is survived by a widow and ten children.

CLARKE.—As briefly recorded in our last week's issue, Mr. Alfred Oswald Leonard Clarke, chemist and druggist, late assistant with Mr. S. W. Longthorne, chemist and druggist, Chalkwell Park Pharmacy, Westcliff-on-Sea, died in a local hospital on October 17 as the result of a motor-cycle accident. Mr. Clarke was much esteemed by all his friends and colleagues in the town. He was buried at Leigh Cemetery. The Southend Association sent a wreath and was represented by four of its members—the President (Mr. A. H. Carpenter), Messrs. Bruce, Lengthorne, and Whitehouse.

HUGILL.—At Hove, on October 21, after a long illness, Mr. Arthur Major Hugill, Ph.C., late a director of R. Sumner & Co., Ltd., wholesale lruggists, 40 Hanover Street, Liverpool, aged sixty-four. Mr.

Sumner & Co., Ltd., wholesale lruggists, 40 Hanover Street, Liverpool, aged sixty-four. Mr. Hugill, who was the second son of the late Mr. John Hugill (of Meggeson & Co., London), served his apprenticeship to the late Mr. Smeaton, Leeds, and passed the Major examination in 1879. The business with which he was so long connected was established by the late Mr. Robert Sumner in 1844. Mr. Sumner was succeeded by his two sons, who subsequently took Mr. Hugill into partnership. Upon their retirement, Mr. John Overton joined the



MR. A. M. HUGILL, PH.C.

firm, and in 1900 the business was converted into a limited company, with Messrs. Hugill and Overton as managing directors. Removal to the present premises took place in 1914. At one time Mr. Hugill travelled for his firm in the North of England, the Isle of Man, and North Wales. He was a man of remarkable personality, a born traveller, genial, and of exceptionally agreeable manners. He consequently made many friends among his customers. He was aided very much by his personal appearance, and was specially well endowed as a business man. He never married; for many years he lived at Southport, where he had a large circle of friends. He will be much missed by them, and also by the staff in Liverpool, who all held him in high esteem. A nephew, Mr. G. Morum, is one of the directors of R. Sumner & Co., Ltd.

MITCHELL.—At Grays, on October 13, suddenly, Mr. Joe Charles Mitchell, Ph.C., 58 High Street, aged sixtynine. Mr. Mitchell, who was the oldest chemist in the town, assisted in founding the Grays and District Traders' Protection Association some years ago. He leaves a widow and one daughter, who is a member of the Grays Urban Council.

Wall.—On October 19, Mr. Francis Henry Wall, chemist and druggist, Highley, Bridgnorth, aged fifty.

A DECREASE in membership of 3,004 is announced in the London Co-operative Society's report for the half-year ended September 2. The trade for the period amounted to £1,270,500, a decrease of 29 per cent. as compared with the corresponding period of last year.

#### Trade Notes

CAPSICUM WOOL.—T. H. Ford, 6 Wells Street, London, E.C.1, have a special line in methyl salicylate and capsicum wool, in loz. cartons.

BLESKO FINGER NAIL ENAMEL retails at the protected price of 1s. 6d. It is obtainable by wholesalers from Blesko, Ltd., Upper Hill Lane, Southampton.

VANGE WATER, which has been prominently before the public of late, is advertised in this issue. It is supplied in bottles from Vange Wells, Vange House, Hockley,

Areco agents can be provided with a flashing sign, if they give a £10 order. The selling agents for Aréco toilet articles are Boyd, Wilson & Co., Ltd., 18 Southwark Street, London Bridge.

CASTLE WINE ESSENCES.—Wilkinson & Simpson, Ltd., manufacturing chemists, Newcastle-on-Tyne, offer for the winter trade seven varieties of the Castle wine essences. Particulars are obtainable on application.

ANDREW'S LIVER SALT .- Those chemists who have not received particulars of the autumn gift scheme in connection with Andrew's Liver Salt are invited to write for details to Scott & Turner, Ltd., Gallowgate, Newcastleon-Tyne.

OATINE LETTERS.—The Oatine Co., Oatine Buildings, London, S.E.1, make an offer to send a hundred letters to the customers of any chemist who stocks Oatine preparations. The advertisment gives particulars of a bonus offer and sample orders.

SLIPPERINE.—The dancing season now in full force means the quickening of the sale of Slipperine for making a smooth dancing floor. Johnston & Adams, Dundee, the makers, give in their advertisement details of the protected retail price, and also the wholesale rates.

BRITOL DISINFECTANT.—Britex Chemical Products, Ltd., Audrey House, Ely Place, London, E.C.1, give particulars of Britol, a new non-poisonous disinfectant and deodoriser. It is obtainable in solid and liquid form, and the retail prices are protected under the scheme of the Proprietary Articles Trade Association.

PACKED GOODS.—Wigglesworth, Ltd., West Houghton, make effective use of the recent correspondence in the C. & D. regarding change of policy of makers of packed proprietaries. The company show that in 1913 they advertised that they reserve titles and styles to a customer in his own district and this policy is still being maintained.

"Odds On" LINIMENT.—The "Odds On" Specific Co., Ltd., 36-37 Cock Lane, Snow Hill, London, E.C.1, proprietors of "Odds On" liniment, have an interesting announcement in this issue regarding their season's advertising campaign. Reference is also made to the permanent bonus offer of thirteen articles to the dozen for orders of £3 value and over.

Meggeson's iodised throat lozenges.—Since we referred to these lozenges last week we have had an opportunity of examining them. They are yellow lozenges, and dissolve in the mouth with a pleasant, smooth and warm taste. The composition being given on the label, the lozenges are a "known, admitted and approved". remedy for sale unstamped by exempted vendors.

AUTOPHOTO ALBUM.—Houghtons, Ltd., Ensign House, 88/89, High Holborn, London, W.C. 1, are introducing a new idea in photograph albums. This is a "slip-in." album, in which the lower part of each page is left vacant so as to leave room for the autographs of the persons concerned in the photographs shown on the upper part of the page. The Autophoto album is beautifully bound, and suitable for presentation. It is made in four sizes, from V.P.K. to 4-pl., and sells at 7s. 6d. to 9s. 6d.

Sound and sense.—"Outside our shop," writes D. L. (17/10), "which has a large sign, 'Pharmaceutical Chemists,' over the door, one country lady remarked to another, the other day: 'Yes, this is right! These are the far more suitable chemists—they're the only ones in the town!"

#### Drug Index

PRICE changes have been very few this month, while most of them are lower: there is one striking exception in bismuth salts. The change here, however, is not sufficient to counterbalance the general downward tendency. There are other drugs in the general list which show a slight rise, but they belong to the list of those in which the turnover is small, and such alteration is covered by the general appreciation or depreciation, which is calculated on the average change. On the other hand, the fall in prices has extended to those in which the turnover is appreciable, including such items as lin camph., cyr. Easton., and ung. acid. boric. Calculated on the other drugs where the turnover just excludes them from being used as index drugs, the depreciation for the month is approximately 0.3 per cent. In the case of surgical dressings we have to chronicle "no change." The figures to date are :-

DRUGS (1913=100)

		1916	1917	1918	1919	1920	1921	1922
Jan.		263.3	198.8	207.6	232.9	315.2	239.0	182.0
Feb.		262.8	191.1	212.5	230.6	324.3	226.0	178.0
Mar.		264.5	185.0	215.2	216.2	336.4	215.8	171.3
April		266.1	183.5	216.5	207.0	345.8	212.8	170.4
May		265.3	188.1	224.6	196.0	344.6	209.7	169.8
June		270.4	191.3	221.8	200.9	362.7	207.5	161.2
July		259.4	193.9	217.0	202.3	341.4	200.4	158.9
Aug.		227.5	198.7	217.8	205.2	322.5	193.2	158.2
Sept.		210.2	201.7	219.7	213.9	334.6	188.1	155.4
Oct.	• •	204.6	202.5	227.5	216.2	289.6	186.8	154.7
Nov.	• •	202.5	203.0	242.4	216.4	268.2	188.9	_
Dec.	• •	198.4	204.6	236.6	218.0	258.2	188.2	
		1	Dressi	FGS (19	13=100	)		
Jan.		133.0	202.0	390.5	478.4	390.2	268.8	214.6
Feb.		133.0	203.0	438.1	390.0	357.6	250.6	214.6
Mar.		140.0	205.0	438.1	276.2	405.8	250.6	209.0
April		141.3	204.5	483.1	286.8	400.4	256.6	203.4
May		153.0	274.0	483.1	268.8	402.4	256.8	201.2
June		153.0	240.0	483.1	268.8	408.2	256.2	197.4
July		160.0	264.8	483.1	231.3	445.2	244.4	197.4
Aug.		153.0	273.5	495.0	253.3	445.2	230.6	197.4
Sept.	• •	153.0	291.3	501.7	270.1	406.6	230.6	204.0
Oct.	• •	172.2	291.3	511.2	292.9	374.2	230.6	204.0
Nov.	• •	191.5	316.5	513.3	308.7	365.2	230.6	_
Dec.	• •	201.5	316.5	513.3	333.7	320.6	230.6	-
				0				1

#### Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated: D/2510. Actual wickering in this country for ead de Cologne bottles
B/2410. Bulga root (used in New Zealand for fermenting milk)
H/1310. "Delphine" Feeding Cups
F/1310. Hooper's "Red Seal" Female Pills

Michael State of Actual W/2510. Insulin W/2510. Ins

#### INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stomped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4.

B/2010
Emol Keleet. T/2310
First-aid outfits. M/2410
Filter Papers. W/2310
Hartmann's sanitary specialities. S/1710
Hinder's Corn Removers. P/2310

Albersheim's toilet preparations. T/2410

Baker's Soldering fluid. C/2110

Baker's Soldering fluid. C/2110

"Capsolin" bottle capping. B/2010

Emol Keleet. T/2310

First-aid outfits. M/2410
Filter Papers. W/2310

Hartmann's sanitary specialities. S/1710

Hinder's Corn Removers. P/2310

Hombigant's perfumes. C/2410

Idodthyrin. D/2410

"Otis" tablets. S/2310

Packed dog medicines. S/1710

Stevens' Blieter. C/1710

Sifting and mixing machines
for hand power. M/2110

Taylor's Cimolite. M/2310

Xylonite. N/2410

A COCAINE "MARKET."—A Paris telegram states that the "Matin" reports the discovery of a cocaine market in Stuttgart. Profiting by the rate of exchange, visitors can pay almost fabulous prices and sell again at enormous profit in countries enjoying better currency conditions.

#### Observations and Reflections

By Xrayser II.

I am Reminded

that the extension of the title "Pharma-ceutical Chemist" to the British chemist and druggist, as advocated by me last week, is not quite on all fours with the proposed admission of the Irish registered druggist to the higher rank, inasmuch as the latter is to submit to a modified examination as a preliminary condition, whereas I do not propose this in our own case. This is true, but the two cases are not quite on all fours in other true, but the two cases are not quite on all fours in other respects. In Ireland the change would admit the druggist to higher privileges, here it would not. It is merely a change of name, advocated almost entirely for the benent of the Society, not of the individual chemist and druggist as such. Personally, I do not care two straws whether I am a pharmaceutical chemist or a chemist and druggist, and the same might be said of hundreds of men possessing only the lower qualification, who, nevertheless. possessing only the lower qualification, who, nevertheless, know themselves to be in all respects the equals of their more highly titled *confrères*. That the change would be for the benefit of the Society I think I have already shown, and that benefit would naturally be reflected back upon the individual; what is good for the craft as a whole is good for all its members.

#### Chemists,

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said Dr. E. F. Armstrong at the annual dinner of the Society of Chemical Industry, "seem to suffer from an excess of modesty" (he did not mean chemists and druggists, by the way), and certainly they do if any number of them share the opinion expressed by Mr. Roscoe Brunner earlier in the evening, that we stand in the way of their proper recognition by the world. Since the wolf complained of the lamb muddying the stream a more ridiculous charge was never made against, an unoffending ridiculous charge was never made against an unoffending body. When we assumed the title of chemist nobody else wanted it, and if it means something different now with some people from what it did then the fault is not ours. Mr. Brunner does not know what steps his Society can take to remedy the injustice under which the industrial chamist labours; nor do I. Neither do I understand where the injustice comes in, or why ou title should have sach a devastating effect. "Strange that the mind, that very fiery particle, should let itself be snuffed out by an atticle"; but stranger still that they who claim visiteally article"; but stranger still that they who claim virtually to have built the modern world should let themselves be eclipsed by a druggist's shop, or should feel themselves to be so—which is a lower step still.

#### Councillor Walter Davies

gave the chemsits of Manchester good advice at their annual dinner. The friendly societies and the medical men have drawn together a good deal lately, and it behoves us, as panel chemists, to be on the alert. Above all, we must retain the confidence of the public. We have well served it, and, speaking generally, have no doubt gained it, but there have been a few cases of "black sheep," and all such must be driven out. I am not sure that all those who faithfully and fully carry out the intention of the N.H.I. do so in such a way as to win the good will of the insured as well as their confidence, though this is almost equally necessary to the making of our position under the Act secure. It is also the best means we have of advancing our claim to the dispensing as yet denied us. good advice at their annual dinner. The friendly socieas yet denied us.

#### The Glaxo Quest

for a method of dividing profits follows upon the decision that unless the price can be controlled Glaxo must be removed from the protected list. To retain in other circumstances would be to stultify itself. The Council of the Association announces its decision in terms studiously designed not to offend the proprietors of the article, and no good could, of course, come of quarrelling with them. At the same time it is to be hoped that the decision arrived at and the feeling of the trade which it decision arrived at, and the feeling of the trade which it indicates, will lead the proprietors to make more effective efforts than they have hitherto done to stop the cutting of price.

#### Mr. Neathercoat's Address

at Ealing should be compared with the report you print on the same page of the meeting of the Nottinghamshire Association. It is not, said the President, the wish of the Society to interfere in any way with the local associations. Their scheme of organisation does, however, interfere with all who adopt it, and has led to the breaking up of several, as its more far-seeing critics have always said that it would. It still hangs fire, too, in a way that suggests an almost unconquerable re-luctance on the part of many associations, yet is still pressed by the Council with arguments and assertions that pressed by the Council with arguments and assertions that are patently fallacious, and one is tempted to describe it in Disraelian phrase as an organised hypocrisy. I prefer the alternative theory of judicial blindness. The Council cannot see that it is changing the whole character of the local associations and at the same time making the Society unpopular with many of its hitherto loyal supporters.

#### The Admirable Letter

of your correspondent, "An Old Student," deserves to be read more than once and well pondered afterwards. I would, indeed, have one phrase in it altered, and read "educated on wrong lines" for educated beyond their capacity," which seems to imply over-much education. In the true sense, nobody cau be over-educated. Education of the right sort aims at making over-educated. Education of the right sort aims at making not chemists or carpenters or farm labourers, but complete men, and nobody can be too much a man for any honourable employment. The education (so-called) that makes men dissatisfied with their lot, merely because it implies social inferiority, is not real education, but a top-dressing of instruction that never penetrates the soil. There are, it is true, situations with which a man ought not to be satisfied if he is conscious of powers demanding wider scope for their proper exercise, and the education wider scope for their proper exercise, and the education enabling him to "burst his birth's invidious bar" ought to be, but, alas! is not within every man's reach. The point of your correspondent's letter, however, is that the education Dr. Waring desires for chemists has a particular object in view, and that object not the right one. It is technical education that he has chiefly in mind, for matritechnical education that he has chiefly in mind, for matriculation is only required as a preliminary to that, and there is no doubt that a man with a degree in science would be woefully out of place in most chemists' shops. To use a homely illustration, he would be set on horseback yet not allowed to ride. Our proper work lies in another direction; there must be men to do it; we are in at least part-possession of the field; and if the Society would help as to gain possession of the rest it must be by promoting us to gain possession of the rest it must be by promoting our special fitness to till it, not by diverting our energies into other channels. Let us conquer our own world before we weep for others to conquer.

#### Unpleasant Duties

are not peculiar to the drug trade, and ities that men come to dignities." Even "it is by indignities that men come to dignities." Even the professions entail work compared with which the occasional handling of a greasy bottle is a trifle. I said to one stonal handling of a greasy bottle is a trifle. I said to one of my nurses who was cleaning up a mess the doctor had left after an operation, "Sister, I would not be a nurse for my weight in gold." "No," she replied, "nor would I, if I did not love it." The doctor might with equal truth have said the same, for his work is often as nasty. "A servant with this clause makes drudgery divine." The "menial work" of the chemist's shop, unpleasant as it may be in itself, is yet a form of service that, undertaken in the right spirit, may be no mean portion of a it may be in itself, is yet a form of service that, undertaken in the right spirit, may be no mean portion of a good man's life. The "haggling over halfpennies," of which "Dubitante" complains, is perhaps a different matter, but is hat really necessary? I see little of it in the chemists' shops I know best, but no doubt the phrase was used in a larger sense than the literal one, and it may be admitted that the driving of heavening over compare be admitted that the driving of bargains over comparatively small sums is inseparable from retail trade, and its least agreeable feature. But is the matter much improved in the higher ranks of business? The spirit is the same all through, though the scale is different, and it is the spirit of the thing, surely, that matters.

## "SANITAS" ROCATI

SHOULD BE STOCKED BY ALL CHEMISTS.

#### PATENTS AND TRADE

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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### Editorial Articles

The Political Outlook

WHEN we went to press last week a political crisis had been reached which resulted in the resignation of the Prime Minister (Mr. Lloyd George), who had held that office since the general election at the end of 1918. The resignation of Mr. Lloyd George ends the Government formed by a coalition of political parties, and brings the

conditions back to the pre-war state in which each political party acts separately. The result of the Prime Minister's resignation being due to Conservative pressure, the King sent for Mr. Bonar Law, who has accepted office and undertaken to form a new Government. Parliament, which was to have met on November 14, has been dissolved by Royal proclamation, and a general election is to take place on November 15, so that Parliament can assemble on November 20. Hitherto a Parliamentary election has involved a long period of political excitement, with consequent dislocation of business, but owing to the new method of holding elections throughout the country upon the same day the disturbance of trade will be minimised. With politics this journal has no direct concern, although the policies of the various parties exercise a profound influence upon the larger trade questions. Assuming the return of the Conservative party, whom Mr. Bonar Law represents, we may expect a continuance of the policy which resulted in the Safeguarding of Industries Act, and possibly trade protection in other directions. On the other hand, the call for non-interference with trade by Government is a very insistent one, and may be a "plank" with any of the political parties. Improved postal and telephone services are badly wanted, and economies in the Civil Service would help to bring about directly and indirectly the reduction of taxation, which is so urgently required if unemployment is to be relieved by an improvement in trade. The perfume industry needs reviving by some concession in the taxation of spirit in the nature of the rebate of duty on medicinal spirits or special denaturants which will, not interfere with the use of the spirit in perfumery. Such a change would lead to more employment, not only in the perfume trade, but in ancillary businesses which supply bottles, boxes and printing. A trade which has shrunk to one-seventh of its normal size surely needs special treatment other than the sneer that is is a luxury business. As we write it is too early to deal with the question of pharmaceutical candidates for election. Mr. W. J. Uglow Woolcock, Ph.C., is retiring from Parliament, so that pharmacy, which looked upon him for help when unreasonable trade legislation was in contemplation, will lose its member. There is reason to believe that several important questions affecting the drug trade may come before the new Parliament. There is, for instance, much talk of increasing by legislation the restrictions of the Dangerous Drugs Act. If there were a representative of pharmacy in the House the introduction of such a measure might well be the opportunity of obtaining a more reasonable attitude to chemists from the Government. There is another body who think to abolish accidental poisoning by giving each poison a distinct colour. The argument that murder would not have been prevented if the arsenic in the Armstrong case had been coloured green instead of blue or black leaves us cold, whilst the provisions of Section 2 of the Poisons and Pharmacy Act, 1908, enable unlimited supplies of the deadliest poisons to be obtained at the shops of retailers who are not specially educated to act as guardians of the public. It will be remembered that at the last general election there were several chemist candidates, but only Sir Richard Winfrey and Mr. Woolcock succeeded in taking their seats in the House of Commons. Chemists are badly wanted in Parliament, and it is as well to remember that a Pharmaceutical Parliamentary Fund is in existence from which grants are made to approved candidates of any political party. The fund is a private one in that its operations are conducted in secret, but at the last general election grants were made to at least two candidates, and the amount was so small that it should have been made up by interest which has accrued since.

#### The Rise in Turpentine

DEVELOPMENTS in American turpentine oil have again excited considerable attention incidental to the rapid rise which has taken place in the course of this month. In the latter part of last week, under a decidedly more vigorous general demand, spot and near delivery reached 126s. per cwt., while up to 127s. 6d. was recorded on distant contracts. The market has thus broken into new high records for the year, and its recent buoyant aspect has therefore fully confirmed the views we expressed in our issues of June 24 and September 23 last, in which we more particularly emphasised the fact that a period of scarcity had to be reckoned with. Again, in our Trade Report of October 14, prior to the last big advance of about 20s. per cwt., we published estimated figures of American stocks amounting to about 28,000 barrels, against 50,000 barrels at the same period a year previous, which thus clearly indicated the abnormally light market resources across the Atlantic. This, of course, combined with the distinctly more active industrial conditions in the American trade has proved a potent factor in the ascendancy of the Savannah market, where the price has had successive jumps to 158½ cents. The American position having become increasingly dominated by the fallingoff in supplies to unusually restricted dimensions, at a time when distillers' operations are still being carried on though at a diminishing rate as usual at this period of the year, the evidence of a palpable shortage of spirit under a generally increased world's consumption will exercise the temper of the market within the next six months or so, or until the next crop season gets under way. In the past, under normal stocks in the United States and on this side, the consumer was usually free from anxiety as regards the covering of his requirements at this time of year, and it frequently happened that wide variations occurred in values between spot and forward deliveries under operations by dealers. The latter, however, now, even at the considerably enhanced level of prices, do not seem much inclined to shoulder risks on the short side of the market for January-April deliveries, this being usually a critical and uncertain period over the end of the season, when trade needs have to be met out of existing stocks. The placing of contracts in that direction has lately resulted in the establishment of a premium over spot and near months. While there does not seem much chance of any very serious setback to a two-figure price over the remainder of this season, there are still possibilities apt to render the position of the consumer more irksome than ever, whether in the shape of a close control over the available resources, or the development of more aggressive bull operations. Eventualities both ways have to be kept in view. The American price has now risen to a figure fully equal to cost of production as based on an arbitrary estimate some time ago from quarters identified with the producing side, but this fact is presumably too late in the season to result in any material increase in the yield from the remnants of this season's crop. Nevertheless, the prospect of the continuation of an inflated level of values over the winter and the beginning of the spring should prove an incentive for a widening of producers' operations in the next season. With very high prices operating, and with better labour facilities in America, there is no reason why production should not adequately increase, and thus help in restoring equilibrium between supply and demand. There is at the same time no doubt that the world's consumption is increasing, especially in the United States. Deliveries in this country in the first half of the year were relatively reduced, but they have since improved, and our market remains confronted with a shortage, in spite of the imports for the nine months to the end of September at 13,179 tons, showing an increase of 3,544 tons compared with the same months last year. The total London deliveries since January 1 to October 14 this year were 69,345 barrels, against 80,369 barrels in the corresponding period of last year, but a comparison with the pre-war year 1913 reveals the fact that the total deliveries in that year to the date mentioned were only slightly more than this year, although the spot price in the middle of October, 1913, was abnormally low at about 30s. per cwt. The current high cost does not seem, therefore, to seriously interfere with the progress of consumption so long as there is no indication of relief from the shortage of supplies. The replacing of outgoings here looks like continuing somewhat difficult, although the arrivals have for some months past kept well ahead of those of last year. Further fair-sized quantities have been attracted to this market from France on the sharp rise, but there is no overlooking the fact that America has to be depended upon very largely to meet this country's needs, apart from other consuming countries. The pressure on the restricted American export surplus this season thus threatens to become more intense, and it is not surprising that strong views are now circulating at American distributing centres as to future market developments. The London stock in the third week of last month was reduced to about 7,000 barrels, but was returned, under date of October 14, by one authority as 13,699 barrels, including 530 barrels of French.

#### The Rubber Position

SOMETHING in the nature of a rubber "boom" has manifested itself in Mincing Lane during the past fortnight, and not since the "record" year of 1910 has the market been so excited. For some months past a committee representing the planters' interests, appointed by the late Colonial Secretary, met continually. The terms of reference were "to investigate and report upon the present rubber situation in British Colonies and Protectorates for the information of the Secretary of State for the Colonies, and to advise what remedial measures should be taken to improve the existing position." The Committee unanimously recommended that in view of the failure of the voluntary restriction of output scheme, that a scheme of Government intervention should be put into operation in Ceylon, the Malay States, and the Straits Settlement, without delay. The scheme recommended forcible restriction under Government supervision, by the levying of export duties of 1d. to 4d. per lb. on all rubber exported up to 65 per cent. of the standard production of each producer during the twelve months (November 1, 1919, to October 31, 1920), the duty rising by 1d. per lb. up to 1s. per lb. on an output of not exceeding 100 per cent. This scheme was recommended by the Colonial Office to the Legislative Councils of Ceylon, the Malay States, and the Straits Settlements. The latest reports to hand indicate that the scheme has been favourably received everywhere, and it is a foregone conclusion that the necessary steps will be taken to put it into operation On August 30 the price of standard without delay. rubber reached its lowest record—viz., 63d. per lb., which was chiefly due to the decision of the Dutch Government not to support any legislative measures to restrict production. Upon this refusal the committee decided to act alone, with the above-mentioned result. The market in consequence gradually improved to round about 8d. per lb. When the official recommendation was issued the market rapidly rose to 10d. per lb., and last week 1s. was paid for spot standard ribbed smoked sheet and crepe. Although the speculative influence (always an

important factor with the article) has been greatly in evidence, the market has had a very firm undertone, chiefly on account of American support. America is the world's largest consumer of raw rubber, and during the past twelve months their consumption has been about 250,000 tons, out of a total world's output of 340,000 tons per annum. With restriction this figure will be considerably reduced, and with the growing demand consequent on the general improvement of trade, combined with the greater uses made on account of the cheapness of the commodity, it is more than likely that a shortage will be felt within the next twelve months. The London stocks at present amount to about 70,000 tons, whilst 'n the whole of the U.K. not more than 100,000 tons exist. This figure is not a heavy one, after taking into consideration the fact that out of this total exports are regularly made to Germany, France, Russia and America, in no small quantities. The average London deliveries are estimated at about 50,000 tons per annum, so that when restriction comes into force--viz., November 1 next -the surplus stock held in this country will rapidly diminish. We give below some interesting statistics of plantation rubber covering the years 1914-1921:

Year	Price	per lb.	World's	London stock,	
rear	Highest Lowest		duction	Dec. 31	
1914	3/0¼ 4/2 4/3½ 3/4 2/6¾ 2/10½ 2/10½ 1/3½	$\begin{array}{c} 1/11\frac{1}{2} \\ 2/0\frac{1}{2} \\ 2/0\frac{1}{2} \\ 2/1\frac{3}{4} \\ 2/2\frac{1}{2} \\ 2/- \\ 1/10\frac{1}{2} \\ 9d. \\ 8d. \end{array}$	Tons. 64,000 96,000 150,000 205,000 314,000 315,000 255,000	Tons. 5,981 6,761 9,774 11,405 12,420 22,283 50,241 69,465	

In uninformed quarters the attitude of the Netherlands Government is stated to be an obstacle to the success of the scheme. This is entirely erroneous. The Dutch producers supply only 25 per cent. of the world's output; of this total 10 per cent. is controlled by British companies, which leaves only 15 per cent. of purely Dutch interests. Even if the Netherlands Indies refused to come eventually into the scheme, and this is considered unlikely, it would have little, if any, bearing on the general situation. Mincing Lane during the past few days has had a most animated appearance, and nothing approaching it has ever been witnessed since the days of the previous "boom" of 1910, when the "record" price of 12s. 10d. per lb. was reached. The most interesting period of the day is at about 4.30 p.m., when the American cables arrive, with the quotations ruling "over there." The market is mainly a "street market," and very often several hundred tons change hands between 6.30 and 7 p.m. during this period of activity. It goes without saying that many further uses have been found for rubber during the past few years in all manufacturing countries. Great strides have been made in the motor industry, chiefly in America, where the output of automobiles during the last eighteen months has been enormous, which tends to show that the consumptive demand is growing apace. Although the market has already risen nearly 80 per cent. from the lowest price, higher values may be considered likely during the next few months. The important factor that the leading importers in London have not sold anything for the past two months indicates the firmness of the position. Prospects are distinctly bright, and already in reliable quarters an estimate of probably 1s. 3d. per lb. as the future basis price of standard grades is considered to be quite conservative.

#### Poisoning Statistics

The eighty-third annual report of the Registrar-General of Births, Deaths and Marriages in England and Wales, covering the year 1920, has been issued considerably more than twelve months after its predecessor, having presumably been put aside 'for reasons connected with last year's census. The chief features of interest to the drug-trade are compared with those of the year 1919 in the following table:—

	1919		1920	
Population	36,800,000 19.7 per 1,000 18.5 per 1,000 504,203 13.7 per 1,000 Accident . Suicide Total 1 in 1,393	119 243 362	37,524,000 20,2 per 1,000 25,5 per 1,000 466,130 12,4 per 1,000 Accident Suicide Total 1 in 1,148	113 293 406

The rates per 1,000 are subject to the limitation that the estimate of the population cannot, in an ordinary year, be finally checked: in the case of the death-rate an official emendation is made annually, bringing down the figure by a decimal point or two, but the "crude" rate is sufficiently accurate for our purpose. Following our usual practice, we have corrected the figures for deaths by poison, removing from the list deaths due to coal-gas, anæsthetics administered by medical men, insect-stings, growing plants, and so forth. We have slightly modified our customary table of poisons which reach double figures in either column so as to show the average fatilities from them before, during and since the European war. They are as follows:—

No.		ence and ent Avera		Suicide Average		
Name of Poison	1881-	· 1915	1919-	1881~	1915-	1919-
	1914	1918	1920	1914	1918	1920
Carbolic acid Hydrochloric acid Hydrocyanic acid Lysol Opium, etc. Oxalic acid Potassium cyanide Strychnine	25.6	11.0	13.0	98.5	40.0	39.5
	11.0	4.75	9.0	42.6	32.5	43.5
	3.06	2.0	0.5	26.4	13.75	21.5
	0.3	2.5	4.0	0.44	3.0	9.0
	77.6	18.5	17.5	54.15	15.0	11.5
	5.8	5.0	1.5	53.8	28.5	42.5
	2.44	2.25	1.5	22.26	20.25	14.0
	6.4	5.75	3.5	22.8	9.0	9.5

Ammonia, which has usually appeared in this table, goes into single figures in both columns for the first time since 1894. Lysol appears among what may be regarded as the most popular poisons for the first time, and its rise in frequency is so marked that it would not be surprising if it eventually ranks with carbolic, hydrochloric and oxalic acids as a suicide's weapon. With slight exceptions, the tables show a diminution in the proportion of accidental poisonings to suicidal poisonings—a matter for congratulation. One or two other features of interest are suggested by a comparison of the tables with those of previous years. Arsenic, always a fluctuating quantity in both columns from year to year, has reached this year's figure in the suicide column several times since 1880, but has not exceeded it. The figures for lead poisoning are still of doubtful accuracy, although cases of industrial poisoning have been eliminated: as the Registrar-General points out in a footnote, deaths arising from abortion may be classed after inquiry as accident, suicide, manslaughter, or murder, and the dividing line is probably sometimes an arbitrary one. The reappearance of barium poisoning after an interval of some years—there have only been eight such deaths since 1862—suggests that both x-ray investigations and rat extermination are attended with a certain amount of risk when a barium salt is used. The full table for the past three years is appended:—

		18		919		20
Name of Poison	Negligence and Accident	Suicide	Negligence and Accident	Suicide	Negligence and Accident	Suicide
A.B.C. liniment	1	1 3 1				
Aconite and chloroform	=	1	= :	1	1 1	
Adrenalin chloride Ammonia	5 1	11	1 5	10	<u> </u>	9
Anilin Antimony chloride			_	_		2 8
Arsenic and strychnine	1 1 1	7	3	4	4	8
Aspirin	1			_		
Barium carbouate Belladonna		11111			2	
Benzene and carbon	2	_	2	_	1	_
Bromine	1 —	_	_		<u> </u>	
Camphor and camphor- ated oil	1	_			1	1 41
Carbolic acid	12	30 1	18	38	8	41
Chloral and potassium	2		1	_	-	_
bromide Chlorodyne	1 3		<u>_</u>			<u> </u>
Chloroform (not in opera- tions)	1	1	2	1	1	1
Chloroform and trional Coal-tar and preparations	1	1		=	=	_
Cocaine and morphine	1				1	
Cocaine and strychnine "Copper"	<u> </u>	_	=	=	<u></u>	1
Creosote			<u>_</u>			1
Cresolene Cresylic acid	4	1		_ _ 1	1 1	2
Daisy powder Dutch drops			1 —	_		=
Ergot Eserine		1 1		_ _ _ 1		=
Fluoric acid Formalin		<u> </u>		_	<u> </u>	=
Hydrochloric acid Hydrochloric acid and	3	25	11	40	7	47
Hydrocyanic acid		14	<u></u>	25	=	1 18
Iodine		1		_1	1 1	1 2 3 1
Jeyes' fluid Kill-germ	=		=	3	_	3
"Lead" Lysol "Mercurial poisoning"	1 4	7	1 3	7	1 5	11
Mercury perchloride	1	6	1	7 1 2	3	7
Methyl alcohol Nicotine Nitric acid	_	1	1	2	_	3 3
Nitrous acid	4 2		1 —		1	_
Opium, laudanum, and morphine Oxalic acid	22	11 24	15 2	12 37	20 1	11 48
Oxalic acid and lauda- num				- 31		1
Paraldehyde	1	=	2			=
Phosphorus Podophyllin	1	3	1	6	1	5
Potash, caustic Potassium bichromate			<u> </u>	_	1	
Potassium chlorate Potassium cyanide	1		-2	13	1	
Potassium oxalate Potassium nitrate		1		13 1	1	15 1 1
Potassium permanganate Quinine	1 4		_	1 -	1	_
Rhubarb, powdered Silver cyanide			1	_	_	1
Soap Uniment	1 5	=	$\frac{1}{1}$	_	1	1
Sodium bicarbonate Sodium cyanide	$\equiv$	18 1 	1 1 —		_	
Sodium sulphate Solanine		=	$\equiv$	=	1	=
Strychnine and nux vomica		12	5	8	2	11
Sulphonal Sulphur dioxide	9 1	12 — — — 1 3	_	_	2 1 1	$\equiv$
Sulphuric acid Thymocresol	=	=	2	1	1	3 1
Toxol Veronal and homologues	9 -	1 3	<u> </u>	1 2	1 6	
Veronal and morphine	9 -	=	1 1	_	_	$ \begin{array}{c} 3\\1\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
Zinc sulphate Kind not stated	20	23	12	1 16	14	18

#### Pharmaceutical Society Of Ireland

#### Council-meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on October 10, at 67 Lower Mount Street, Dublin, Dr. A. J. Barnes (President) in the chair. The following were also present: Dr. J. A. Walsh, Dr. J. A. Mitchell, Messrs. R. Blair (Vice-President), D. M. Watson (Treasurer), James Michie, J. A. Doyle, G. A. McLean Lee, J. E. Connor, J.P., J. H. Bingham, Fred. Storey, J. Carroll Culbert, Michael Ryan, F. J. Fitzpatrick, Andrew Wilson, Victor E. Hanna, John Smith, and Denis J. Nugent.

Letters of apology for non-attendance were received from THE monthly meeting of the Council of the Pharmaceutical

Letters of apology for non-attendance were received from Mr. Wm. J. Hardy and Mr. R. F. McCartney.

#### WELCOME TO NEW MEMBERS

The President said his first duty was the very pleasing one of welcoming their new members of the Council—Mr. Ryan, Mr. Nugent and Mr. Bingham. He would ask the other members of the Council to join with him in extending a hearty welcome to these gentlemen. (Applause.)

Mr. Ryan and Mr. BINGHAM returned thanks for the welcome extended to them

come extended to them.

#### ELECTION OF PRESIDENT

Mr. Hanna proposed the re-election of Dr. Barnes as President of the Society for the ensuing year. He said that twelve months ago he had the extreme pleasure of proposing Dr. Barnes, and he had now great pleasure in renewing that suggestion.

Mr. CUTHBERT: I have great pleasure in seconding.
Mr. CONNOR supported the motion, which was adopted

amidst applause.

The President thanked the Council for the honour they had done him. He deeply appreciated the compliment in him. As in the past year, he would continue to do his best to please everybody, at the same time having in mind the best interests of the Society at large: (Applause.)

#### OTHER OFFICERS

The President said it gave him very great pleasure to propose that Mr. Blair be re-elected Vice-President of the

Society for the ensuing year.

Mr. Michie seconded, and the motion was carried amidst

applause.
The Vice-President, returning thanks, said he was

deeply grateful.

Mr. Stores proposed the re-election of Mr. Watson as
Treasurer. If they searched Dublin, he said, they could
not find a better man than Mr. Watson for the position.
The Vice-President seconded and the motion was car-

ried unanimously.

Mr. Watson expressed his thanks.
On the motion of Mr. Hanna, seconded by Mr. Watson,
Messrs. Lee and Ryan were elected auditors.

#### ELECTION OF COMMITTEES

The Committees were elected as follows:

Law Committee.—Dr. Walsh, Dr. Mitchell, Messrs. Nugent, Connor, Culbert, Hanna, Hardy, Lee, Michie, Smith, McCartney, Watson, Fitzpatrick, Storey, and

Use to Inspect Candidates' Certificates.—Dr. Walsh, Messrs. Nugent, Hanna, Smith, and Fitzpatrick.

House and General Purposes Committee.—Dr. Walsh, Dr. Mitchell, Messrs. Nugent, Hanna, Hardy, Lee, Smith, Doyle, Watson, and Ryan.

School Committee.—Dr. Walsh, Dr. Mitchell, Messrs. Nugent, Bingham, Hardy, Smith, Watson, and Wilson.

Committee to Examine Declarations, etc., of Candidates to Examination, and Registration as Resistered Drug.

for Examination and Registration as Registered Drug-gists.—Messrs. Hanna, Smith, Suffern, Watson, and

Fitzpatrick. ELECTION OF MEMBERS

The following were elected as members of the Society :-Mr. George Kirk, Ph.C., 106 York Street, Belfast; Messrs, David J. Patterson, Ph.C., 43 Court Street, Newtownards; Mr. Patrick A. Ussher, Ph.C., 84 C.C.R., Portobello, Dublin; and Miss E. M. West, Ph.C., Mount Vernon, Dollymount, Dublin.

#### CHANGES OF NAME AND ADDRESS

The Registrar (Mr. A. T. Ferrall) submitted a letter from Mrs, Eileen M. Maher (née West) notifying change of name on marriage and change of address to Butlers, Ltd., 40 Mary Street, Dublin. The Registrar also submitted a letter from Mrs. Kathleen Violet Righy (née McBride) notifying change of name on marriage and change of address to 3 Monaghan Street, Newry.

The following wrote notifying changes of address:-

Mr. Wm. Popham W. Allen, Ph.C. to Allen's Pharmacy, Cloughfordan, Co. Tipperary; Mr. Maurice J. O'Connell, Ph.C. to 35 Nottingham Street, Dublin; and Mr. R. A. Lennon Wilson, Ph.C. to Medical Hall, Kilcullen, Co. Kildare.

#### PRELIMINARY REGISTRATION

The following submitted-certificates of other bodies and were admitted to Preliminary registration:

Mr. Bertram H. Doyle, 82 Grove Park, Rathmines, Co. Dublin; Mr. Thomas Kennedy, Windsor House, Ferrybank, Arklow, Co. Wicklow; Mr. Keith Harold Middleton, 27 Brighton Avenue, Rathgar, Co. Dublin; and Mr. M. Smith, 18 Water Street, Newry.

#### PRESIDENTS AND MEDALLISTS

Mr. Storey proposed a resolution which came as a recommendation from the annual meeting providing that a replica of the Presidential Badge should be presented to each outgoing President and to each past-President of the Society; and that a board with the names of all the Presidents printed on it be placed in a conspicuous position, and also a board recording the Society's medallists. Mr. Storey said he thought the proper thing to do would be to hand over the matter to the House Committee to deal with it.

Mr. Watson seconded the resolution, which was passed, Mr. Storey's suggestion to refer the matter to the House Committee being also adopted.

#### Position of Registered Druggists

Mr. Storey proposed the following resolution, which came as a recommendation from the annual meeting :-

That in view of the desire of the Registered Druggists, the Council is requested to set up a committee to meet that body with the following terms of reference:—

1. The consideration of the position of Registered

Druggists.

2. The advisability of discontinuing the examination.

3. The situation arising, if this course is adopted. And to report to the Council in three months.

Mr. Storey said this question had been exercising the minds of a number of chemists and of druggists for a considerable time. It had been discussed in an informal manner. He had placed the motion on the agenda at the annual meeting, so that the licentiates might be able to annual meeting, so that the freehiates might be able to express an opinion or leave the question to a Committee to deal with it. The position of the druggists now was totally different from what it had been thirty or forty years ago, and there was a feeling abroad that this examination should be discontinued. But the whole erux was the means. There was one thing that the Society could not do—they could not stop the examination without the consent of the druggists; and as the druggists had vested rights and interests, it was up to the Council to meet them in regard to the question of how they could stop the examination. And the situation which would stop the examination. And the situation which would arise if the examination were stopped would also have to be discussed at the Committee. His (Mr. Storey's) idea was that the examination should be stopped, and that there should be a modified examination of some sort offered to those druggists who wished to go in for it, at the same time paying a substantial fee. They should get the matter settled. It had been the cause of friction, bother and annoyance for a number of years. He felt that the druggists' grade was a drag on pharmacy. It had been holding them back. Any druggist who did not avail himself of the modified examination would have to die out in the ordinary course as a druggist. Nearly all the in the ordinary course as a druggist. Nearly all the

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druggists were in the north. There were a few scattered through the South and West, and the latter had been in touch with them in the North. He would like that the Committee should meet the druggists' body in Belfast. He would suggest as members of the Committee: The President (Dr. Barnes), Mr. Watson, Dr. Mitchell, Mr. Wilson, Mr. Culbert, Mr. Suffern, and himself (Mr. Storey). Whether it was desirable to bring in any outside members of the Pharmaceutical body—any of those who were not members of the Council—was a point that they should think of in setting up the Committee.

should think of in setting up the Committee.

Mr. Bingham said that as he was the seconder of this proposal at the annual meeting, he would like to second it now. He thought the Council ought to make an endeavour to take this matter up and settle it once and for all. There were many difficulties in the way; and he did not think they could get any further that day by discussing those difficulties. If they appointed the proposed Committee to look into the matter they would be taking a step in the right direction towards consolidating the Pharmaceutical Society of Ireland. And he thought that point was worthy of consideration.

Mr. Nucent said he saw Mr. Storey's point of view very well. But he could not see what Mr. Storey meant by a modified examination. He (Mr. Nugent), personally, would oppose the proposal tooth and nail as far as he possibly could, except he was assured that before any change was made regarding the status of the registered druggists the licentiates should have a voice in the matter. He did not think it was even a matter for the Council.

Mr. Michie said he thought this proposition of Mr. Storey was a very big one. He did not think it was for the Society to say whether they would abolish the druggists or continue them. He thought that proposal should come from the druggists themselves. If the druggists were unanimous in getting the examination abolished he would quite agree, because he thought that in the interests of the Society there should be only one grade. The registered druggists had the right to keep open shop, and they had the right of an examination; and he did not think it was for the Society to interfere unless they had some special requisition to do so. As regards the suggestion of a modified examination, he thought it would be wrong to modify the examination in order to allow druggists on the Register. Any registered druggist who wished to become a pharmaceutical chemist should pass the ordinary examination, and there should be no lower examination.

Mr. Lee said he did not think there need be any fear about the setting up of the proposed Committee. The Committee would not have any power to do away with the registered druggists. The Committee's part would be to go into the matter and consider the pros and cons from the pharmaceutical chemists' point of view and from the registered druggists' point of view. The Committee would also consider whether it would be right or just that a modified examination should be given to the registered druggists. If the Committee came to the conclusion that the grade should be done away with, or that a modified examination should be given, they would then consider the situation arising. That meant that they would consider what legal steps were to be taken. And when they had considered all, these matters they would report to the Council for further orders, and the Council would have to decide on either accepting these recommendations or referring the matter to the general body of pharmaceutical elemints, or turning the matter down altogether.

we decide on either accepting these recommendations or referring the matter to the general body of pharmaceutical chemists, or turning the matter down altogether.

Mr. Warson said it might allay Mr. Nugent's fears to know that there must be legislation to carry out the suggested changes. He did not know whether Mr. Storey was going to propose legislation at the end of three months, or whether he thought they were ready for legislation. Mr. Michie had said that it did not rest with the Society to say whether they would abolish that grade or not. Nor did it rest with the licentiates or the registered druggists. It lay with whatever legislative body was in control of them. The Committee that Mr. Storey had suggested was a Committee altogether of "pro-abolitionists." They would know what the report of such a Committee would be.

Mr. DOYLE said the motion bound them to nothing. The Committee would merely discuss the matter and try to find a solution. There was no reason why they should not change the names suggested by Mr. Storey, or add to them.

Mr. Storey said if they wished to appoint a committee entirely composed of Dublin men let them do so, but they must remember that the druggists were all in the North practically, and it was for the sake of convenience and as the question was a Northern one practically that he suggested meeting in Belfast. The druggists were now approaching the Council; it was the druggists who put forward this proposal; the druggists wanted to meet them, and had asked to meet them several times. If they wished to turn the druggists down let them do so. He thought the proposal he had put forward had been put forward in a proper spirit. If he thought the proposal would be derogatory to pharmacy he would wash himself of the whole matter. He thought it was to the interests of pharmacy that the examination should be abolished. There was no doubt that legislation would have to go through the two Parliaments concurrently. He was not quite clear on the procedure. It would be a good thing if there was legislation to change a number of matters in the Pharmacy Act, because they had become obsolete many years ago.

Mr. Watson said there was no use in having a Committee which was of the one way of thinking. They would not get the other aspect discussed. That was why he thought the Committee should be as mixed as possible. He was a pro-Committee man and a pro-Abolitionist. The question would resolve itself into this: the pharmaceutical chemists would want to get the grade abolished on their own terms; the registered druggists would want it abolished on their terms; and the difficulty would be to find a via media.

Mr. Wilson said he would be very glad indeed if the Council agreed to this Committee, because this question had been the plague of the lives of the pharmaceutical chemists in Belfast for years past. It would give them great relief if the Committee were set up, the matter thoroughly and finally explored, and a decision come to in a way that would stop any further discussion. They had to apologise in Belfast for being pharmaceutical chemists and not taking steps to have this matter put right. So far as he knew, the general concensus of opinion in the Council had been towards the removal of the registered druggist qualification. It was thought that the institution of that examination at the beginning was a mistake altogeher. He did not know the mind of the present Council, but the Council could not be committed to anything by the appointment of this Committee, and its appointment would be certainly welcomed by everybody in Belfast.

Mr. Nugent proposed as an amendment that there should be substituted for the third term of reference one providing that before any final decision was taken there should be a referendum to the pharmaceutical chemists, and, if they liked, to the registered druggists. He did not agree with Mr. Storey that this was wholly a Northern question. No later than the previous night a pharmaceutical chemist came up to him and said: "Is it true that you are giving registered druggists the status of pharmaceutical chemists?"

Mr. Storey: We are merely trying to find a via media. Mr. Nugert said if the Committee reported that they were in favour of a modified examination, and if they passed that at the Council, he did not think it would be fair to the licentiates who had sent them to the Council to safeguard their interests. It was up to the Council to give the licentiates a chance of having a say in the matter.

Mr. Store: The annual meeting was a meeting of all the members of the Pharmaceutical Society.

Mr. Watson: Mr. Nugent is an opponent of this scheme, and I would suggest that he counts the registered druggists to whom he put the referendum.

tercd druggists to whom he put the referendum.

Mr. Nugent: Perhaps I have counted them.

Mr. Hanna: I think Mr. Nugent sees far too much

Mr. Hanna: I think Mr. Nugent sees far too much ahead, and I think we ought to agree with Mr. Storey's request.

Mr. Lee said that in order to try to allay Mr. Nugent's fears in this matter, he would point out that, as far as his knowledge went, even suppose that the Committee proposed to do away with the examination, the Council could not do anything without fresh legislation. The

only thing the Council could do would be to bring forward a recommendation to those who made the laws that ward a recommendation to those who made the laws that the registered druggists should get a modified examination. And there would be such an outcry that he was sure it never would be passed. If the Committee was appointed they would get the pros and the cons of the matter, and it would help them to get on with their work. The appointment of the Committee could possibly do no harm, and it might possibly do some good.

The President said that eventually there would be plenty of opportunity for enforcing Mr. Nugent's point, and he did not see the necessity of pressing it at the present time.

present time.

Mr. Michie suggested that if the terms of reference were confined to No. 2—"the advisability of discontinuing the examination"—it would cover the whole matter and would lighten the work of the Committee very con-

Mr. Nugent: If you agree to Mr. Michie's suggestion I will withdraw my amendment. Pharmaceutical chemists have a certain status, and I do not think it is right to put anyone having a lower examination into our

position.

The President: All that objection could come out at the Committee. The question now before the Council is whether we set up a Committee or not.

Mr. Watson said Mr. Nugent might be perfectly satisfied that nothing could be done before he had another

opportunity of proposing his referendum.

Mr. Nugent said if the Committee brought in a resolution abolishing the examination for the registered druggists and recommending a modified examination, and if the Council put that before the Home Office of the Provisional Government, the Home Office would probably accept the recommendation. It would not be fair to the licentiate to do that.

Mr. HANNA: It comes before the Council first of all. Mr. Watson said Mr. Nugent would have an opportunity of recommending the referendum after such a reso-

Iution come before the Council.

Mr. Nugent: Very well, I will withdraw my amend-

ment.

The resolution was passed and the following appointed as a Committee:—The President (Dr. Barnes), Messrs. Storey, Michie, Watson, Wilson, Culbert, Suffern and

ENFORCEMENT OF THE PHARMACY ACT Mr. Wilson asked had the Council asked for the co-

operation of the Government of Northern Ireland in carrying out the provisions of the Pharmacy Act?

The President said he thought that question was answered by the minutes of the Law Committee as read out at that meeting. Mr. Ferrall had written to the Northern Law Department asking them to so corrects with Northern Law Department asking them to co-operate with the Council.

Mr. Wilson said his question had not been asked with any intention of criticism, but merely to suggest that the authorities in Northern Ireland would be most willing to co-operate with the Council, and that there was a great deal of comment by chemists and by druggists in Belfast that the law was not being observed and that the Society was not doing its duty.

The PRESIDENT: We have got into touch with them now, and this may be the thin edge of the wedge towards getting into easier communication with them. I expect the matter will come up before next month's meeting of the Law Committee and that we shall have something

fresh then to inform the Council upon.

MM. BARDIER AND STILLMUNKES, in a recent communication to the Paris Society of Biology, stated that if an animal be chloroformed, a very small dose of adrenalin (0.01 of a milligram per kilo. weight of the animal) will cause almost immediate death by cardiac syncope.

THE THERAPEUTIC VALUE OF COPPER in certain cases is admitted, but the difficulty has been how to introduce it into the system. Dr. Doumer informed the French Academy of Medicine recently that this can be done by electrolysis. Five to ten centigrammes of metallic copper can be introduced into the system daily.

#### Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1922, p. 277.

(From "The Trade-marks Journal," October 11, 1922.) "ALLONAL BRAND A PHARMACEUTICAL PRODUCT"; for a pharmaceutical product (3). By The Hoffman-La Roche Chemical Works, Ltd., 7 & 8 Idol Lane, London, E.C.3. 428,271.

Chemical Works, Ltd., 7 & 8 Idol Lane, London, E.C.3.

428,271.

"VELEPHOT": for photographic apparatus (8). By "Velophot" Erzeugung und Vertrieb Photographischer Neuheiten G. m. B. H., Concordiaplatz 4, Vienna, 1, Austria. 427,299.

"ENERIOL": for a food (42). By H. J. Woodward, 115 St. Gcorge's Road, London, S.E.1. 427,378.

"Bene Vobis": for food substances (42). By L. Garvin, 96-98 Leadenhall Street, London, E.C.3. 427,937.

"Orox:" "Tonrox." "Ginrox." and "Lemrox": for mineral waters, etc. (44). By Hydrox, Ltd., 11 Waterloo Place, London, S.W.1. 427,211/212/213/214. (Associated.)

"PUFKIN." with facsimile signature "J. Jacobs": for perfumery, etc. (48). By J. Jacobs, 174 Aldersgate Street, London, E.C.1. 423,986.

"Solidcion": for perfumes (48). By T. Fell & Co., Ltd., 3 Ridgmount Street, London, W.C.1. 423,993.

"Cinclo": for tooth powder (48). By Martha E. Lombardi, 107 Loraine Mansions, Widdenham Road, Holloway, London, N.7. 427,053.

"Swyros": for perfumery, etc. (48). By R. J. H. Weatherill and A. E. Sims, Vicars Hill, Lewisham, S.E.13. 423,144.

"Lilfleur": for perfumery, etc. (48). By Luce's Eau-de-Cologne Co., Ltd., 179 High Street, Southampton, 423,358.

**42**8.338. (From "The Trade-marks Journal," October 18, 1922.)

(From "The Trade-marks Journal," October 18, 1922.)

"Actovite" for chemicals (1). By the Liverpool Borax Co., Ltd., Borax Street, Liverpool. 428,390.

"Gen-A-Pur"; for chemicals (1). By Sissons Brothers & Co., Ltd., Bankside, Sculcoates, Hull. 428,660.

"Sanistat"; for chemicals (2), and for goods (47).

"Dioxytas"; for medicinal chemicals (3). By The "Sanitas" Co., Ltd., Locksley Street, Limehouse, London, E.14. 428,028,029; 423,264. (Associated.)

"Linappe"; for preparations for external animal use (2). "Ermo"; for all goods (3) and (48). By the Veno Drug Co., Ltd., Chester Road, Manchester. 428,034,013/014. (Associated.)

"Inoc-sul"; for chemicals (2) and for medicinal chemicals

Veno Drug Co., Ltd., Chester Road, Branchester, 428,034,013/014. (Associated.)
"INOC-SUL": for chemicals (2) and for medicinal chemicals (3). By Texas Gulf Sulphur Co., 41 East 42nd Street, Manhattan, New York, U.S.A. (428,469/470. (Associated))

Manhatian, New York, U.S.A. (182,182); for a tonic ciated.)

"STIMULES" forming device ("S" disclaimed); for a tonic medicinal tablets (3). By the Stimule Co., Inc., 512 West 41st Street, New York, U.S.A. 426,835.

"IDOZAN" on oval device; for a medicinal iron preparation (3). By Aktieselskab Ferrosan, Kjeldsgaardsvej 17, Copenhagen. 419,405.

"PAVILION" under device of same; for medicinal chemicals (3) and for perfumery, etc. (48). By Ogston & Tennant,

"PAVILION" under device of same; for medicinal chemicals (3) and for perfumery, etc. (48). By Ogston & Tennant, Ltd., Wright Street, Renfrew. 428,032/033. (Associated.) "VALEJAKOL"; for medicinal chemicals (3). By J. Strangard, Kingsway Hall, London, W.C.2. 423,243. "OVAMILK"; for malted milk (42). By the Jenner Food Co., Ltd., Wharf Street, Dukinfield, near Manchester.

424,201.

"RHODANDRA"; for hair lotion (48). By A. Zuppinger, Garden City Embroidery Works, Letchworth, Herts. 426,694.

"MALVALINE"; for perfumery, etc. (48). By C. I. Russell, 231 Jesmond Road, Newcastle-on-Tyne. 427,948. "EPASTA": for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1. 423,427. "TINTONA"; for hair dyes (48). By Opera Omnia, Ltd., 4 Mermaid Court, Borough, London, S.E.1. 428,735.

"(From "The Trade-marks Journal," October 25, 1922.)
"Permoglaze"; for chemicals (1). By E. C. Coverdale, Cleeve Cottage, Mill Lane, Solihull, Warwickshire.

426,974.

"ALIZANTHROL": for all goods (1). By The British Alizarine Co., Ltd., Westinghouse Road, Trafford Park, Manchester. 423,238. (Associated.) Manchester. 426,200. (ASSOCIATED.)

"MULTIFLE"; for insecticides and disinfectants (2). By Robinson Bros., Ltd., Phænix Street, Ryders Green, West Bromwich. 426.244:

"HILLVALE"; for sheep dips (2). By Kerol, Ltd., 47 Russell Square, London, W.C.1. 428,783.

#### Associations' Winter Session

Belfast.—A committee meeting of the Chemists' and Druggists' Society of Ireland was held on October 16 at 11 Waring Street. The following were present: The President (Mr. Fred Storey) in the chair, Messrs. W. J. Rankin, W. E. Wilson, Sam. Gibson, Roberts, Holmes, Macaulay, Kells, Carse, Guthrie, Abernethy, Nevin, and Eglinton. The President made a statement with regard to the notice of motion which he had placed on the agenda of the annual meeting of the Pharmaceutical Society asking the Council to set up a committee to meet the druggists. The committee set up was composed of four members from Dublin and four members from Belfast. It was now up to the druggists as a body to meet this committee and to place their views before them. He would recommend that the Law Committee, perhaps with an addition of a few members, be instructed to take the necessary steps. Another matter he reported which he thought would give great satisfaction to the registered druggists was that he had been elected a member of the Law Committee. Since the passing of the Act in 1920 the Council had consistently refused to allow a druggist to sit on this Committee, and this had been a very sore point to them. The following committee was appointed to take charge of the matter: The President, the joint hone secretaries, Messrs. Carse, Smith, Kells, Sufferin, Nevin, and Moffitt. A discussion took place. At the conclusion Mr. Kells said the thanks of the Chemists' and Druggists' Society were due to the President, Mr. Storey, for what he had accomplished for them. Mr. Storey thanked Mr. Kells and the members present, and said he thought there should be no difficulty in an amicable arrangement. He was firmly convinced that if the Registered Druggist examination was discontinued it would be for the benefit of pharmacy in Ireland; no other country had such a grade as registered druggists. A number of members were proposed for membership, and business of a routine nature passed.

Birmingham.—A meeting, called by the Birmingham Pharmaceutical Association, of the members and student-associates of the Pharmaceutical Society, residing in Birmingham, was held at the Imperial Hotel, on October 10 to the Pharmaceutical Pharmaceutical Hotel, on October 10 to the Pharmaceutical Hotel, on Octo 18, to the Birmingham Branch of the Society. Mr. J. W. Atkinson occupied the chair. Mr. E. T. Neathercoat (president of the Pharmaceutical Society) addressed the meeting at length upon the Society's local organisation scheme, and the advantages to pharmacy in general and to the Society and individual member in particular that might accrue from the development of the scheme. thought it was much like bringing coals to Newcastle to come to Birmingham to talk of the benefits of organisation; Birmingham was always to the forefront in such He explained the scheme of the Society, which was to allocate every member and student-associate to some branch. The work of the branches will be social, educational and scientific. It will be part of the work of the branches to see that apprentices and students are brought into touch with the educational facilities provided. The promotion of interest in the Society's publications is another useful work that will be possible; the British Pharmaceutical Codex for instance, is a book that is, to an increasing degree, becoming a standard. In Parliamentary matters, the branch can do most useful work, and representation in Parliament will have to be considered to the Northernott appreciate the presentation on place. soon. Mr. Neathercoat expressed his personal opinion that ultimately the Associations would become merged in the branches of the Pharmaceutical Society and of the Retail Pharmacists' Union. A definite number of delegates will be apportioned to each branch, according to its membership, whose travelling expenses will be paid by the Society; in addition, all members will have the privilege of attending without further subscription, and privilege of attending without further subscription, and of being members of the conference. He predicted that it would become the outstanding event of the pharmaceutical year. Next year's meeting will be held in London, combined with the meeting of the International Pharmaceutical Endeation, members, attending from all posteriors. maceutical Federation, members attending from all parts of Europe, of the Colonies and of America. Mr. Neathercoat proceeded to explain the standpoint of the council in raising the standards of education and examination.

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The council proposes shortly to tackle the subject of the Major Examination; it is up to them to see that clinical analysis and much of the assistance that will be required in the diagnosis of disease, when the clinics for such purpose are set up, are secured to pharmacists. He hoped that it would be possible in the near future to make the necessary arrangements for the introduction of a University Degree in Pharmacy. Any falling off at this critical time in the support given to the Society will have very serious results upon pharmacy in general, which will certainly rebound and make themselves felt by those responsible. The qualification is the most important thing to pharmacists; trade protection is all right, but if qualification goes down trade will go down with it. The R.P.U. work should not prevent all possible support being given to the Pharmaceutical Society. Mr. T. W. Peck said he was pleased to see that the Pharmaceutical Society was moving with the times, and complimented the president thereupon. He complained, however, of the treatment accorded by the Society to Institutional Pharmacy. Mr. E. W. Mann suggested that the institution of branches was an efficient means of dealing with such grievances. He supported the policy of the Society in keeping up the standards of training and examination. Mr. W. C. Taylor asked if it were obligatory that all members be attached to a branch. The president having replied to the questions put to him, Mr. C. Thompson proposed "that a branch of the Pharmaceutical Sciety be formed in Birmingham." This was seconded by Mr. J. Wakefield, and carried unanimously. The following were elected to form the committee of the branch:

—Chairman, Mr. H. H. Marshall; Vice-Chairman, Mr. G. Knowles; Messrs. J. Watkinson, H. Berry, J. W. Bland, W. M. Bramley, E. W. Mann, H. Rigg, A. E. Harris, L. A. Mills, T. W. Peck, Miss F. H. Finney. Mr. F. Smith was appointed secretary. The chairman, vice-chairman, and secretary were appointed clegates to next year's conference. Votes of thanks to

Bradford.—The October meeting of the Bradford Pharmaceutical Association took the form of a lantern lecture, by Mr. Marmaduke Firth, past-president of the Association, on Trees. The gathering took place at the Bradford Technical College, and Mr. F. W. Appleyard (President) presided over a good attendance. Mr. Firth, who has made a special study of trees for many years—particularly trees to be found in the West Riding of Yorkshire—showed in interesting manner, and by the aid of a series of excellent lantern views, the method of life and development of forest and smaller growths, and explained methods by which the identity of trees found in the woods, on the hills and in the parks could be established, even down to varieties. On the motion of Mr. J. Gordon, seconded by Mr. Kendall, and supported by Mr. W. Sutcliffe, himself a past-president of the Association, and a keen naturalist, Mr. Firth was heartly thanked. The Secretary reported that two members had tendered their resignations, one now residing out of the city, and the other because under the new constitution, as he is not a member of the Pharmacentical Society, and does not see his way to become one, he could not be a full member of the Bradford Association. It was decided that these gentlemen be urged to recompider their proposed resignations. The November meeting will be addressed by Mr. F. E. Burdett, on "Window Display."

Chesterfield.—The Chesterfield Pharmacists' Association held its annual meeting recently, the President (Mr. E. G. Holmes) in the chair. Mr. T. E. Furness (treasurer) submitted the balance-sheet, and Mr. S. C. Greaves (secretary) read his report in which he pointed out that when the reorganisation of the local associations was completed Chesterfield would be joined to Mansfield, with headquarters there. He understood that it would be the members' wish to keep on the

present Association to look after local interests; in any case it would have to be kept on as Branch No. 13 of the Retail Pharmacists' Union. The thanks of the Association were due to Messrs. Twelves and Houston for their services on the Derbyshire Pharmaceutical Committee. The annual subscription was reduced to 5s. The new President is Mr. J. F. Wharton. Mr. Denwood said cases had been brought to his notice of members breaking the law by selling poisons in plain bottles, and it was resolved that the law should be strictly adhered to.

Eastbourne.—The annual meeting of the Eastbourne Pharmacists' Association was held on October 11. The officers were re-elected.

Glasgow.—At the opening meeting of the session of the Glasgow Pharmacy Club (scientific and literary section), on October 23, Mr. J. P. Gilmour, editor of the "Pharmaceutical Journal," gave an address on Pharmacy in Glasgow Forty-five Years Ago. He said that in the late 'seventies of the last century, when the population within the municipal area was less than 600,000, there were about 100 bonâ fide chemists' shops in the city, and rather more than that number of doctors' shops—ostensibly surgeries, but most of them carrying on a chemist's business. Now, with a population of over a million, there were approximately 200 chemists' shops, and probably not more than fifty doctors' shops in which a chemist's business was done. It was about that time that methylated-spirit drinking, especially on Sundays, grew to be so rampant and scandalous in Glasgow and some other centres that it became necessary for the Government to make it unlawful to sell such spirits between 10 p.m. on Saturday and 8 a.m. on Monday. Chemists as a class were not responsible for that nefarious traffic, which in Glasgow was plied chiefly through shebeens and a few disreputable doctors' shops in the East End.

Association of Pharmacists, held on October 13, Mr. R. H. Shields presiding, Mr. G. Bruce presented the report of the Sports and Social Committee, and submitted recommendations for a programme of social entertainment during the winter months, profits to be devoted to the formation of a Social Club. The sum of £8 10s. was voted to reimburse the President and Mr. Powell, who advanced this amount for the equipment of the cricket team. The treasurer reported that there was £2 8s. 6d. in the Pharmaceutical Society Benevolent Fund box. No meetings of the Association will be called during the winter session, and no programme of lectures will be attempted during the ensuing winter unless the Social Committee can arrange something of a semi-educational character in connection with their entertainments.

Thames Valley.—The Thames Valley Pharmacists' Association held their annual meeting on October 25, the President (Mr. W. M. Tims) in the chair. The annual report was presented by the secretary (Mr. C. Goode). The treasurer (Mr. Alfred Higgs, J.P.) presented the financial statement, which showed a balance in hand. The sum of £1 15s. was voted to the Early Closing Association. A discussion ensued on the future of the Association, and it was eventually decided to appoint a special committee of six to consider the matter. The election of the committee for the ensuing year was adjourned until after the report of the special committee had been received. Messrs. Clement, for Middlesex, and Tims, for Surrey, reported on Insurance matters. The attitude of pharmacists towards Glaxo was then considered. Mr. Alfred Higgs, in introducing the subject, referred to the steps taken by the Proprietary Articles Trade Association, reports of which had already appeared in the trade Press. He had written to Mr. Hugo Wolff as to what was going to be done regarding the protection of the retail price of Glaxo, now it had been deleted from the P.A.T.A. list, and in reply he had received a letter in the course of which Mr. Wolff stated that "within the next three weeks we shall control our own distribution from one end of England to the other. We can assure our pharmacist friends of three things. The first is that the price of Glaxo will be protected; secondly, the rate of profit will be a fair one; and, thirdly, the

trade will gradually revert back to the pharmacists, for the simple reason that it will not pay other dealers to handle the line. If pharmacists will only respect our prices to-day it will be better for them in the near future." Discussion then took place, and a resolution was carried unanimously that, while regretting the withdrawal of Glaxo from the P.A.T.A. List, the Association views with satisfaction that the price of Glaxo will be protected and that the rate of profit will be a fair one. The resolution was directed to be forwarded to the proprietors of Glaxo and the various local associations.

#### Opium-growing in China

THE attention which the opium traffic is attracting at the present time lends interest to the midsummer report of the International Anti-Opium Association from Peking, which, according to the "Manchester Guardian," shows that the " efforts of the Central Government to control and suppress the recrudescence of the opium habit in China are still being widely frustrated by the various military governors and lawless soldiery who are encouraging and enforcing what Peking forbids." The report goes on to state that: In practically every province opium is being sold more or less openly. It seems, however, as if the Japanese are trying to control their smugglers. One of the most common forms in which opium is sold is as Pei-wan pills, these being recommended as a cure. In the Kansu province opium is exhibited quite openly. One-fifth to onethird of the land in the rich Paotow valley is planted with poppy. Soldiers of the late Tutung have forced the peasants to plant opium, and they collect two-thirds of the yield from the farmer. In Yunnan, opium is cheap and popular. The local Government reckons the opium tax as a big income instead of trying to prevent the people from growing the poppy. Shanghai is the centre of every form of contraband trade in spite of the extreme vigilance of the Maritime Customs and the municipal police. In the last three months of 1921 \$130,000 worth of morphine and heroin were seized on Japanese steamers. In the western province of Szechuan it is alleged that the stock at one place alone, Ichang, is estimated at 3,000,000 oz, while 300,000 people get their living by this trade. The Japanese Minister at Peking has supplied Dr. Graham Aspland, the secretary of the Anti-Opinm Association, with some details regarding the present conditions in Kiaochow. It was found impossible, he said, to carry out the promise to abolish the system by March 21, as the sudden stoppage of supplies would mean the death of 10,000. Permits were eventually issued to 3,113 of these, and the amount of opium "treacle" for their needs is each year reduced by a fifth. The Japanese authorities have threatened persons engaged in the opium or morphine traffic who are found in any of the Japanese railway towns along the Southern Manchuria line with severe punishment. But the Siberian Russians are cultivating opium along the Manchurian border, obviously for contraband trade. The gangs consist of Russians, Japanese, Chinese, Greeks, Caucausians, Turks and nondescripts of other nations, together with reconstructions with a superposition of the second contrabations women travellers, who smuggle morphine (and cocaine) on their persons. In Harbin morphine (and cocaine) are already a blighting curse. Although the revival of the poppy-growing is only one-tenth of what it was years ago, the present narcotic condition in China is decidedly depressing. Foreigners can assist by rousing the conscience standard of their own countries. For the use of opium china must now accept almost entire responsibility, but for morphine the blame rests with the producers and smugglers of outside countries. Of the two evils opium is the lesser. Both must cease by honest, national, and international legislation. The greatest victory of antiopium work is the recent decision of the League of National Council to appoint a committee the extinct the legislation. Council, to appoint a committee to estimate the legitimate medical requirements of all nations so as to limit morphine production for that use only.

#### A 16th-century Inventory

Through the courtesy of a pharmacist in Wales we have received a copy of a document now or lately preserved in the diocesan registry at Chester. It purports to be, and no doubt is, "An Inventory of the goods of Zecharias Linton, taken the 18th of February, 1593," and is of considerable interest. Its reproduction here may lead to the elucidation of some doubtful points, and throw further light upon the pharmacy of the period to which it belongs. In a few notes appended to it some of the terms used are explained. Probably an inspection of the original document would clear up these obscurities, which may, indeed, have been already dealt with in proceedings of some learned society. One item of the inventory not relating to pharmacy, "Pented clothes," ought, it may be supposed, to be "painted cloths." These were in common use in Tudor times in the decoration of houses, and are mentioned by Shakespeare (1 Henry IV., iv., 2). An entry in the inventory of the goods of Sir Henry Parkers, 1551-1560, printed by Mr. Hubert Hall in his "Society in the Elizabethan Age," illustrates their use:—"A Stevnid Cloth over the chymney withe Marie and Gabryell iiijd." A few of the entries have been extended in square brackets, and the correct names of some others have been similarly added.

Sarsaphras		iiii. oz.	xiid.
Epithimu [Epithymum]		iiii. ,, ,	viii.
Rubarbe Mirabilons [Myrobalans] Turbith Lapis tutiæ Harmodactil Camapithous [Chamœpitys] Storax Calami[ta] Benioun [benzoin] Mastic		i. ,,	
Mirabilons [Myrobalans]			2.1-
Turbith	••	ii ,,	1/6
Lapis tutia	••	iiii oz	2/-
Harmodactil		1111. 02.	64
Compaithous [Champanitus]	• •	JIII. ,,	ou.
Camapithous [Chamoepitys]	• •	iiii. ,, i. ,, vi	6ď.
Storax Calamitaj	• •	1. ,,	10d.
Benioun [benzoin]	• •	vi. ,, ii.	
Mastic	٠.	ii.	<b>9</b> d.
Cortox capras [Cortex capparis]		iv.	4d.
Coraline [otherwise called Musc	us		
		ii.	3d.
73 1 1 473 1 1 -	•••	ii	3d.
Red corall		iii	1/-
Padir China [Padir China]	• •	::	
Min (Manual)	• •	ii.	6d.
	• •	11.	10d.
Spica raltica [Spica Celtica]	• •	1.	3d.
Agric A [agaric]	• •	Λ	3/6
Gū elemni [Guɪn elemi]		vj.	10d.
Gü armonick [Gum Ammoniac]		i.	2d.
Gū armonick [Gum Ammoniac] Lupins [Lupius] Cortamüs A [Carthamus]	• •	ii. ii. iii. ii. ii. i. i. i. i. i.	3d.
Cortamiis A [Carthamus]			4d.
Lignu balsamum [Xylobalsamum	i.	i.	3d.
	J	1.	
Certayne seeds Staves acre Colinder seed [Corionder seed]	• •	xii.	6d.
Staves acre	• •	X11.	1/-
Conander seed [Conander seed]	• •		4d.
Lapis calaminaris	• •	x. oz.	<b>4</b> d.
Wt. copras	٠.	x.	<b>4</b> d.
Ladam [Ladanum]	• •	iii.	4d.
Literge of silver lead and gould		iii. li	6d.
Staves acre Coliander seed [Coriander seed] Lapis calaminaris Wt. copras Ladam [Ladanum] Literge of silver lead and gould Aloes Terra sigillat Scamoni[i] Sanguis draw [?] [Sanguis draconis] More Aloes Presipitat		x, oz, x, iii, iii, li iv, iii, A iii, oz,	3/-
Terra sigillat		iii.	2d
Scamonilil	• •	Α	100
Sanguis draw [21 [Sanguis dragonic]	•	Δ.	7.1
More Aloes			0.1
Presipitat	• •	: 111.	9u.
		1. OZ.	1/-
Opiu [opium]	• •	_	6d.
	• •	-	1/4
Camphire Certayne sweet spices in a boxe	• • -	-	4/4
Medenheare [Maidenhair]	• •		6ď.
Cipris [Cyperus?]		i. li.	4d.
Poli podie		-	3đ.
Eliborus niger		i. li.	2/-
Cortex guatie [?]	• •	i <del>i</del> . li.	2/-
Sarsaperill		i li ii oz	5/-
Rostetes [2]	••	vii oz	64
Ortiment Jorniment ? 1	••	; 1;	94
Ov serotion [1] [ovvorosoum 2]		1. 11.	ou.
Treet green and wellow	• •	: 1:	
	•••	i. li.	2/6
Dilulo oumos	••	i. li. v. li.	2/6
Pilule aurea	•••	i. li. v. li. ii. ₹	2/6 2/6 1/3
Pilule aurea Diacholicon [Diacatholicon]	•••	i. li. v. li. ii. ₹	2/6 2/6 1/3 2/6
Pilule aurea Diacholicon [Diacatholicon] Cons roses not made.	•••	i. li. v. li. ii. 3	2/6 2/6 1/3 2/6 xii.
Pilule aurea	• • • • • • • • • • • • • • • • • • • •	i. li. v. li. ii. 3 — i. li. 9 # (?)	2/6 2/6 1/3 2/6 xii.
Pilule aurea Diacholicon [Diacatholicon] Cons roses not made. Elesturie [sic] of roses Diaphinicon [Diaphœnicon]	•••	i. li. v. li. ii. $\bar{\mathfrak{Z}}$  i. li. 9 †† (?) ix. $\bar{\mathfrak{Z}}$ (?)	2/6 2/6 1/3 2/6 xii. ) vp iii. 6
Pilule aurea	rei	i. li. v. li. ii. ₹ — i. li. 9 †† (?) ix. ₹(?)	2/6 2/6 1/3 2/6 xii. vp iii. 6
cum Rhabarbaro ?1		i. li. v. li. ii. ₹ — i. li. 9 †† (?) ix. ₹(?)	2/6 2/6 1/3 2/6 xii. ) vp iii. 6
cum Khabarbaro / I		i. li. v. li. ii. 3 — i. li. 9 †† (?) ix. 3 (?)	2/6 2/6 1/3 2/6 xii. ) vp iii. 6
Vngt comitisse [Ung. Comitissæ]	• •	i. li. v. li. ii. ₹ i. li. 9 †† (?) ix. ₹ (?)	2/6 2/6 1/3 2/6 xii. ) vp iii. 6 2/6 1/6
Vngt comitisse [Ung. Comitissæ]	•••	i. li. v. li. ii. ₹  i. li. 9 †† (?) ix. ₹(?)	2/6 2/6 1/3 2/6 xii. ) vp iii. 6 2/6 1/6 4/-
Vngt comitisse [Ung. Comitissæ] Vngt dialthea.	• • •	xii.	2/6 2/6 1/3 2/6 xii. ) vp iii. 6 2/6 1/6 4/- 1/4 8d.

For certayne oyls					4/5
Ostetes [?]				i. li.A	3/-
Ceruste [ceruse]				iv. li.	1/6
Dia scordiu [Diascor	rdium1			ii. oz.	8d.
Certayne powdres				-	6/8
Water glasses	. 7			19	3/4
Oyl "				-9	1/8
Garre ,,				1 doz.	1/6
Viall ,,					6d.
Oyle maces					3/-
Cousprimols [?]				_	2/-
Sirope pottes					1/-
For pottes emptie a	nd full		٠.	-	3/4
For certayne oylcs			ıscd		·
in the pots					10/-
Linsead oyle				2 galls.	5/4
For a bottle covered	with lo	eather			1/-
,, a glass stilitorio	•				1/6
" great black pot					1/8
" 6 black boxes a	nd on	e comfi	t box	e	6/-
" a double searset	e [sear	ce ?]			1/8
,, bagges					4d.
" one stonne mor	ter				1/6
a booke of disto	lations	[sic]			1/-
one gramer					6d.
" 3 other little bo	okes			-	8d.
Browne paper, xviii	gre.				1/4
One Standishe	٠.			'	5d.
Pented clothes	• •				3/-
Bras weightes				i. li., 2 oz.	8d.
Certayne instrument	tes witl	h casse	[sic]		1/4
For 6 other bookes			••		1/4
Praised [priced	] by n	ne,			
Jon Hu	s, Chir	urgion			
Edwar	D Tic	KHILL.			
(Agrees the ma	rain)				

(Across the margin)
His apparell praysed
For his apparell xxxis.
For his bookes and sadle iiis.
summa
totalis 8 li. xixs. 6d.

The above is copied verbatim et literatim from the list sent. The original scribe (or the first copyist) was evidently careless or illiterate, and seems in some cases to have written from dictation. The entries in the cash column are not in the form we should expect in a document of 1593; instead of 10s., for instance, we should read x's, and instead of 3d., iijd. The entries in the quantities column are also defective, lacking the dots over the figures, and the significance of the sign "A, which occurs several times, apparently by intention, is difficult to conjecture. Four or five of the names of substances are baffling, and two or three others may be a little doubtfal. What is meant, for instance, by "Rostetes" and "Ostetes"? Both names are very plainly written. "Consprimols" is equally puzzling. "Garre" glasses can but be guessed at; there is an obsolete word, "gare" (used by Turner in his herbal), meaning some kind of sauce, possibly from the Latin "garum," a kind of fish paste or sauce. "Searsete" is pretty evidently connected with "searce," a sieve. A few notes on the items that are more certainly identified may be interesting. "Turbith" is not turpeth mineral, but the root of some unidentified plant—Quincy says "of the nature of Hermodactyl and Machoacan, but more efficacious." Cortex capparis was not much used, but enters into some compositions; there was, for instance, a compound oil of capers; in Diacapparis the fruit was used, not the root. "Esula major" is the greater (sometimes called the German) spurge. "Spica celtica" is a spikenard" growing in Europe as distinguished from the more esteemed Indian variety. Diaphænicon was a very strong and Diacatholicon a very mild purgative. "Cipris" may be either Cyperus longus or Cypress nuts, but is, I think, more probably the former; it was used as a stomachic, and for uterine disorders. Oxycroceum is the plaster so called, which some of us remember in use. "Treat" means a plaster or an ointment for spreading on cloth. "Ung, comitisse" is the Countess's Oin

#### Reviews of Books

Getting More Drug-store Business. By Frank Farrington. 7s. Spatula Publishing Co., Boston, U.S.A.

The making of books on business, as a rule, runs in a well-defined channel. Given the capacity for putting words together so that they cling round a few catchphrases, and the rest is easy. The book under review is complete to pattern. It deals with types of business which are not common in this country, but that does not destroy its possibilities of being useful. A book on business can be said to be justified if it stimulates thought in the reader capable of being reproduced either in more or better business, and, judged on these lines, the book is not quite as barren as its title might suggest. Many of the chapters are at variance with British chemists' ideas, but a few, such as "Some matters of management," "The telephone as a sales aid," are stimulating to a thinking man. On "Who will sell the sundries?" we have attention called particularly to those things which lock up more money in a chemist's business than any other section. The amount of capital needed is greater, and as a rule less attention is paid to the turnover in the sundries line. The chapter is too short, the writing too much on the surface and not sufficiently analytical to stimulate active thought in appreciating the meaning of the stock of sundries which one must keep in order to meet all the demands made by the general public. The book is written for American readers and storekeepers.

Nachweis und Bestimmung der Gifte auf pharmakologischem Wege. By H. Fühner. 10 in. by 7 in. 192 pp. Urban & Schwarzenberg, Friedrichstrasse 105s, Berlin N.24.

This work forms a section of the "Handbuch der biologischen Arbeitsmethoden," edited by Professor Dr. E. Abderhalden. It is devoted to a description of the various methods employed in the detection of poisons by biological means—that is to say, by the demonstration of their action on living vegetable or animal organisms, either on the entire organism or on isolated living portions. In addition to the value of such methods for the forensic detection of poisons, they possess considerable importance from a pharmocological point of view, since they enable us to determine the therapeutic activity of certain drugs. Biological methods of determination possess the advantage of very great sensitiveness; thus the frog's heart reacts to such small amounts as 0.00001 milligram of scopolamine, and to 0.00001 milligram of adrenalin.

The detection of the various poisons is described under the experimental animal employed in each instance. Thus under the heading of bacteria the methods for estimating the activity of the disinfectants are described, whereby no mention is made of the Rideal-Walker method. The use of yeast for the detection of salicylic acid quantitatively, of Pencillium brevicaule for that of arsenic and its compounds, of saponins by hæmolysis, of nicotine and physostigmine by their action on leeches, the effects of certain narcotics on fishes, are described under the respective test animals. A considerable portion of the work is devoted to a description of the methods in which the frog is used for the detection of strychnine, picrotoxin, nicotine, colchicine, guanidin, methylguanidin, veratrine, coniine, curarine, theobromine, aconitine, muscarin, etc. The action digitalis preparations and of strophanthin is described in this chapter, with the remark that the oldest procedure, first elaborated by Cushny and Houghton in 1898, is still given the preference by experts. The detection of these poisons is described under different headings, by reference to their action on the whole frog, or on isolated organs, such as the musculus gastrocnemius, nervus ischiadicus, heart, lung (astringent action of silver preparations), spinal column (adrenalin), and the enucleated eye of the frog (adrenalin tests). This chapter on the frog is followed by one on the uses of white mice for the detection of colchicine, morphine, strychnine and thyroid gland preparations (Reid Hunt's method). Rabbits and cats are briefly mentioned as experimental animals, the work concluding with a few

pages devoted to a description of the effect of certain local anæsthetics on man. The book is illustrated by a number of tracings and figures of apparatus.

Dictionnaire Anglais-Français-Allemand de mots et locutions intéressant la physique et la chimie. By R. Cornubert. 9\frac{3}{4} in. by 6\frac{1}{4} in. 297 pp. 42 fr. Dunod, 47 and 49 Quai des Grands-Augustins, Paris.

In compiling this dictionary of English, French and German terms employed in chemistry, the author has adopted a novel method with the object of facilitating the use of this work when searching for the corresponding expressions in each of the three languages. Each page is divided into three columns, one column to each language, but the alphabetical sequence of the distinctive terms to each language is preserved throughout the three columns and languages, and to indicate the alphabetical sequence these terms are printed in heavier type. An example of the arrangement adopted will best illustrate the author's method:

English.	French.		German.
TARTAR.	TARTRE.		WEINSTEIN.
	TARTRIQUE (acide).		TT DALLO L DALLO
1. Tartaric acid.		1.	Weinsäure.
2. Racemic acid.			Traubensäure.
3. Mesotartaric acid.			Antiweinsäure,
			Mesoweinsaure.
TARTRONIC ACID.	TARTRONIQUE (acide).		TARTRONSAURE.
TASTE.	Goût.		Geschmack.
Key:	Clef.		
	TATE.		TASTER.
(a) To take a test-	(a) Prendre une	(a)	Eine Probenahme
portion.	tâte.		ausführen.
(b) To estimate with	(b) Faire une tâte.	(b)	Tüpfeln.
an outside in-			
dicator.			
Fact.	Fait.		TATSACHE.
Dew.	. Rosée		TATE

In the introduction a few pages are devoted to the system of chemical nomenclature and abbreviations used in German literature, including a table of the irregular verbs most in use in chemical papers. This chapter is followed by a table of the principal English abbreviations, a table of English irregular verbs, and a table of English weights and measures. Finally, we find a table of the principal mathematical symbols, with their designations in the three languages. The volume will certainly prove a useful work of reference to the chemist with only a slight acquaintance of either of the other two foreign languages, and the idea of arranging the terms in the three languages consecutively on the same page will greatly facilitate its use. The value of the work as a reliable guide will be enhanced by its revision prior to the issue of a new edition. "Paillette" would be more correctly rendered by "scale" than by "leaflet," "nuance" by "shade" instead of "colour"; "ombre" is rendered in German by "Schatten," but in English by "umbra," whereas "shadow" would be the correct term; and "sandel"-wood oil should read "sandal"-wood oil; minor defects which do not detract from the practical value of the work.

#### New Books

Maiden, J. H. A Critical Revision of the Genus Eucalyptus. 12 x 9½ in. Vol. VI., Parts 3, 4 and 5. 3s. 6d. each part. [Gullick, Government Printer (Part 3), and Spence, Acting Government Printer (Parts 4 and 5), Sydney, N.S.W.] These three numbers bring the complete work up to Part 55. The eucalypts dealt with are:—E. Barmedmanensis, E. Tenandrensis, E. Peacockeana, E. Stopfordi, E. Farsythii, E. Auburnensis, E. Yagobiet, E. Blackburniana, E. Studleyensis, E. McIntyrensis, E. Pluti, E. Kayseri, M. Milligani, E. Delftii, E. Diemenii, E. Hayi, E. Houtmanni, E. Mitchelli, E. cretacea, E. Davidsoni, E. Oxleyana, E. scoliophylla, E. Warraghiana, E. praecoriacea, E. Hermani, E. Howitti, E. Kitsoni, E. Suttoni, formerly E. Muelleri, E. Chapmani, formerly E. Woollsii, E. oceanica, E. Harringiana, E. Aegea, E. Geinitzi, E. Schubleri, E. sibirica, E. americana, E. borealis, E. angusta, E. dubia, E. dakotensis, E. Gouldii, E. proto-Geinitzi, E. Choffati, E. attenuata, E. augustifolia, E. nervosa, E. parvifolia, E. latifolia, E. Wardiana.

#### **Essential Oil Imports**

THE imports of essential oils into the United Kingdom during the third quarter of the year, July 1 to September 30, are as follows:—

ber 30, are as follows: —						
Оп			QUANTITY	Source		
Ajowan		• •	1 drum.	Germany		
Almond	::	-::	2 cases 71 cases, 22 pkgs.	British India France		
	••	•••	1 case	Germany		
Amber	••	::	6 cases 170 cases	Germany China		
		٠	50 cases	Spain		
Balsam tolu Bay	••	::	1 case 12 cases	U.S. U.S.		
			10 cases	B.W.I.		
Bergamot	• •	::	2×3 cases, 263 cases 1 case	Italy France		
Birch tar			5 packages	Germany		
,,	• •	::	1 case 1 barrel	Holland Sweden		
Bois de rose			10 drums	France		
Cajuput Camphor	••	::	92 cases 215 cases	U.S. China		
Campnor			9 drums	Japan		
Calamus	••	::	5 drums 2 cases	Germany Germany		
Calamus	• •	-::	4 cases	Java -		
,, · ·	••	• •	2 drums 1 case	Holland France		
	• •	::	2 cases	Holland		
Cardamom		•••	2 cases	British India China		
Cassia Cedarleaf	• •	::	215 cases 1 drum	U,S.		
Cedarwood	• •	•••	12 drums, 14 cases	U.S.		
Celery seed	• •	• •	1 drum 1 drum	U.S.		
Cinnamon (leaf)	••	• •	` 1 drum	France		
	**	••	7 drums	Seychelles Is. Ceylon		
" "	• •		102 cases, 4 drums 36 cases, 6 drums	British India		
Citronella"	• • •	• •	21 drums 108 drums	France Java		
,, ·•	• •		20 drums, 3 crates	Brit. India		
,,	• •	• •	169 drums	Ceylon France		
27 0-0 23 0-0	••	•••	14 drums 3 cases	Germany		
(1)	• •	• •	- 16 drums	Holland		
Clove	• •	• •	6 cases 6 drums, 18 cases	Holland Germany		
Clove leaf	••	• •	11 cases	Brit. India		
	0-0	• •	2 drums 12 cases	France Brit. India		
Coriander	0.0	• •	1 case	Czecho-Slov.		
Cubebs	• •	• • •	1 case	Holland Germany		
Eucalyptus	••	• •	44 cases	N.S.W.		
33-	• •	• •	6 casks, 327 cases 1 case	Victoria S. Aust.		
Geranium		••	25 drums	France		
>>	• •	• •	3 cases 10 drums	Germany Réunion		
Guaiacwood			17 cases	U.S.		
Juniperberry Lavender	• •	• •	3 cases	Germany France		
(L			11 pkgs., 13 drms., 11 cases			
Lemon	6140	••	3×4 cs., 166×4 cs., 1,927 cases	Italy		
Lemongrass	• •	• •	20 drums, 5 cases 1 drum	Brit. India		
"	••	• • •	1 case	Java France		
Lime" -	••	• • •	$73 \times \frac{1}{2}$ cs., 58 brls.,	West Indies		
Linaloe			73×½ cs., 58 brls., 15 pkgs. 10 cases	Mexico		
Mandarin	0-0	• •	1 case	Brit. India		
Mint	**	• •	9 cases 325 cases	Italy Japan		
Nutineg	**	• • •	18 cases	Holland		
Orange	0-0	• •	136 cs., 11×½ cs., 1×¼ case	Italy		
22 0-0		••	3 drums	France		
,,	0-0	::	64 cases 24 cases	W. Indies Canada		
Orris		• • •	4 packages	France		
Otto of rose	**	• • • • • • • • • • • • • • • • • • • •	1 case £200	Germany Holland		
Palmarosa	0-0	••	4 pots	Brit. India		
Patchouli	0-0	::	12 cases 4 cases	Srraits U.S.		
Pennyroyal		::	4 drums, 2 cases	Spain		
Peppermint	••	• •	441 cases 20 cases	U'S. Holland		
,,	.0-0	• •	5 cases	Italy		
Petitgrain	••	• •	10 cases 30 cases	France Argentine		
Pimento		••	1 case	Germany		
Pine	**	• •	1 case 5 cases, 1 drum	Austria U.S.		
22 0-0 23 0-0	0-0	• •	1 case	Germany		
Rosemary		••	29 barrels 4 drums, 14 cases	Russia Spain		
>> 000		9-1	1 case	France		

OIL	QUANTITY	Source
Sage Sandalwood "" (amyris) Sassafras Spearmint Spike Spruce Thyme Valerian Wintergreen (sweet birch) Wormseed "" ""	2 drums 237 cases 2 cases 2 cases 10 cases 14 cases 3½ cases 24 drum, 6 cases 11 drum, 2 cs., 2 pkgs, 5 cases 2 cases 2 cases 2 cases 1 cs., 5 ptcs. 19½ cases	Spain Brit. India Hollaud Germany U.S. V.S. Spain U.S. Spain U.S. Spain U.S. Spain U.S. Spain U.S. U.S. U.S. U.S. U.S. U.S. U.S. U.S

The following are undescribed: France, 1 box, 13 pt.-cs., 2 cs.; Holland, 9 cs.; Italy, 15 cs.; British India, 32 cs.; U.S., 9 cs.; Spain, 4 cs.; Argentina, 20 cs.; Germany, 8 cs.; French Indo-China, 5 cs.; B.W.I., 10 cs.

#### The Chemical Foundation

By "The Man from London"

To get a proper conception of the importance of the Chemical Foundation to the dye and chemical industry of America one has to take into consideration the fact that the year before the war 5,674 distinct brands of synthetic dyes were imported into this country, chiefly of course from Germany, who was in 1914 manufacturing more than three-fourths of all the coal-tar products of the world, and supplying material for most of the rest. Synthetic drugs of German manufacture were in common use by the medical profession all over the United States, and we still remember the high prices of salvarsan, veronal, novocain, etc., and theroughly appreciate the lower prices of American-made drugs, identical in every respect, but sold under American-made names. When the war broke out the United States made names. When the war broke out the United States was dependent upon Germany for its dye-stuffs, and only about 500 persons were employed in their manufacture. In 1914 the output of American dyes was valued at \$2,500,000, in 1917 it amounted to \$57,000,000. Before the war the Germans had thoroughly covered the processes of all their developments here, and in many instances the products also, by taking out patents to prevent any possible development in the dye industry. A Corporation known as the Chemical Foundation was formed and organised under the Delaware laws with a capital stock of \$500,000, not all of which is said to be issued. The Foundation purchased from the Government, and now hold title to 4,700 of these German patents, chiefly covering chemical processes and formulas used by the German chemical processes and formulas used by the German Cartel or chemical trust in the manufacture of organic chemicals in the United States before the war. The Foundation thus became the owner of these patents by due process of law. Its industrial importance is apparent in the statement that its trustees and stockholders hold within their hands absolute control over the entire chemical industry in the United States. Critics of the enterprise declare its organisation was for the express purpose of obtaining for themselves and friends a monopoly of the chemical industry, and when charges were monopoly of the chemical industry, and when charges were made in Congress the present national administration investigated. Subsequently it ordered Garvan, now President of the Chemical Foundation and the trustees, to return the patents to the Government under threats of civil and criminal action to compel them to do so. Attorney-General Daugherty and Alien Property Custodian Willow charge the returns were sold to the Chemical Miller charge the patents were sold to the Chemical Foundation fraudulently and illegally. Garvan declares everything regular and legal and that the trusteeship has functioned in the interest of the public and the industry itself, and further charges that "Germanic influences" were at the bottom of the present action of the administration. United States District Attorney Gordon, of Washington, will ask for a special Grand Jury Gordon, of Washington, will ask for a special Grand Jury at the October term of court, and the Department of Justice officials are expected to present evidence con-cerning the sale of chemical and dye patents to the

Chemical Foundation, Inc. The preferred stock of the Foundation has no voting power and the trustees are named for life with power to fill vacanices caused by death and are in sole and absolute control of the Foundation. They are Otto. T. Bannard, Judge George L. Ingraham, and Cleveland H. Dodge, of New York, Benjamin Greswold, of Baltimore, and Bradley W. Palmer, of Boston. It is declared that anyone may obtain a licence to manufacture any product under any patent in the Foundation control by the payment of \$100. The idea of returning these patents to their former owners has naturally caused a storm of protest from all persons concerned. The American Chemical Society, 15,000 members strong and representing men and women chemists in institutions, research laboratories and industrial plants, announced their opposition to the Government attitude in demanding these patents be returned, and expressed their determination to "fight to the last ditch to preserve American chemical industry." The medical profession generally has risen up in arms also and claim the manufacturing chemists must be protected so they can depend always upon having American remedies for the benefit of their patients. They claim that the American chemical industry has now had time to get started, and should be able to compete with Germany without an embargo or tariff in a few more years, as it takes time to perfect chemical processes. In the meantime they say should these patents revert to their original owners then Germany will regain her pre-war organic chemical monopoly of the world.

"Labor," problished at Washington, takes an entirely different view of the above situation. It said in a recent editorial: "Five Noble Patriots organised the Chemical Foundation, divided the stock among themselves without paying a penny for it, borrowed \$500,000, sold the \$10,000,000 worth of patents to themselves for £250,000, took the Alien Property Custodian into the game, and settled down to administer their "trust." They expect to control the patents, and incidentally the world's dye trade, indefinitely."

#### The New United States Tariff

By "The Man from London"

THE Fordney-McCumber Tariff Bill was signed by President Harding on September 21, and went at once into effect, according to the provisions of the Act. But instead of being settled, the tariff schedules, after twenty months of discussion, are rendered uncertain by the President's signature. Instead of permanent rates, we have "elastic provisions" in the new law which will permit President Harding, if he chooses, to revise tariff rates, without reference to Congress, upon the recommendation of the Federal Tariff Commission. Whether these provisions, owing to the their uncertainty of action in the future, are likely to upper husiness constitute. in the future, are likely to upset business, constitute a danger to the consumers, or, if these "elastic provisions" will be used to safeguard the American buying public, remains to be seen, and the question is a matter of controversy in the Press. Not only has the Chief Executive the power of changing tariff rates to suit fluctuating economic conditions, but he receives from Congress authority to substitute American valuation for foreign valuation, provided he does not thus bring about an increase in tariffs which will more than cover the difference of production costs at home and abroad. By substituting American valuation for foreign valuation, he can in many instances automatically raise duties far more than 50 per cent. Such conditions are very likely to lead to great confusion, as if rates are to be constantly raised or lowered there is certainty for neither buyer nor seller. Stable rates are essential both to the importer who wishes to buy abroad and to the American manufacturer who wants to make goods here. It looks as though there will be no certain basis upon which the foreigner and the American can make contracts and do business owing to these "elastic provisions."

It will be seen from the above that under the new law the President has very broad powers of tariff regulation, and the Tariff Commission becomes a very important body as a factor in the economics of this country. The purpose of the Act is: "To provide revenue, to regulate commerce with other countries, to encourage the industries of the United States, and for other purposes." It is estimated that about \$400,000,000 will be collected under the provisions of the Act. Chemicals, drugs, medicinal herbs, and nearly everything connected with the wholesale and retail drug trade has particularly been picked out for large increases in the duties levied upon them, and it is worth noting how the different coal-tar products, opium alkaloids, citric acid, oxalic acid, and even digitalis have been treated. A few of the most important increases in the duties on drugs and chemicals are shown in the following table.

Products	New Tariff	Old Tariff	Products .	New Tariff	Old Tariff
Aconite Ammon. carb. Ammon. nitrate Amsenic acid Belladonna Bismuth salts Bone black Bromine Cafeine Chloral hydrate Chloroform Citric acid Citric acid Lb. Coal tar products  Explosives  Loan March Loan Loan Loan Loan Loan Loan Loan Loan	10% 1\{c.\} 1\{c.\} 1\{c.\} 1\{c.\} 1\{c.\} 25% 35% 35% 10c.\} 10c.\\$ 1\{c.\} 10c.\\$ 1\{c.\} 10c.\\$ 1\{c.\} 60% \(dc.\)	Free 3c. Free Free Free 10% Free \$1.00 15c.1b. 25% 2c. 5c:	Cocaine and salts oz. Collodion Cocculus Ind. Cyanide Potas. Digitalis Distilled oils Drugs, crude Dyewood exts. Henbane Hexamine Iddine, res. lb. Ipecac Jalap Lemon oil Licorice ext. Logwood ext. Manna Pot. iod. lb.	\$2.60 35c. 10% Free 25% 25% 25% 20c. 10% 10% 25% 25% 25%	S2.00 15% Free Free Free 3c. lb. Free Free Free 10% 1c. lb. Free 15c.

Mercurial preparations, 45%; opium alkaloids, \$3.00oz.; santonin, 75c. lb.; stramonium, 25%; terpin hydrate, 35%; thymol, 35%; vanillin, 45%.

There are some protests against the excessively high rates which are the basis for belief that the President will reduce some of them. But the question is which ones and how much? The methods of valuation of merchandise imported into the United States under the new tariff law Tariff Act which became a law in May, 1921; in determining the valuation of the goods both the export valuation and the value in the domestic markets of the country from which imported should be considered, and the higher of the two prices accepted as the basis of the valuation of the merchandise when entering the United States. In consigned shipments, the appraisements for duty purposes will, in the opinion of the officials, be based upon the United States valuation of the articles in question, this valuation being the price at which such or similar imported merchandise is freely offered for sale in the principal markets of the United States. Unfair methods of competition or unfair methods of importation, the effect of which is to destroy or injure an industry operated in the United States, are declared unlawful, and whenever such unfair methods are proved to the satisfaction of the President he may advance the rate of duty not to exceed 50 per cent., and in extreme cases he may exclude the articles from entry and temporarily suspend the importation of such articles. The manufacturers and producers of the United States are permitted to initiate action looking to an advance of duties on foreign merchandise in cases in which they believe that the appraised value of the merchandise is too low. This high tariff wall that has been built around this country admits of putting on a few more bricks or taking a few off when certain interests feel like it, and it looks as if we are in for a continuation of high prices on most things.

Production of Castor Oil in Argentina.—The variety of castor seed grown in Argentina is designated as "ricino colorado," or red castor seed. There are five important factories in Argentina producing castor oil, and several other vegetable-oil factories that manufacture it occasionally. The production in this part of the world is estimated to be between 1,000,000 and 1,250,000 litres, all of which is consumed locally. The importation of medicinal castor oil was reduced from 401,660 kilos in 1913 to 116,856 kilos in 1919

#### Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. bulk quantities.

#### 42 Cannon Street, E.C.4, October 26

In spite of the fluid political situation at home and the promise of a speedy General Election, the Mincing Lane produce markets maintain the healthier feeling entered upon several weeks ago, under the influence of the rise in staples like rubber, sugar, tea and shellac. The feature of the European exchanges this week is a further depresistion in the Common marks which at a result of Control of the common marks which at a result of Control of the common marks which at a result of Control of the control o of the European exchanges this week is a further depreciation in the German mark, which at around 20,000 to the pound sterling brings the menace of an economic collapse within measurable distance. Among the features of the week is the demand for menthol at firm prices. Refined camphor is in more inquiry, and a fair quantity of crude has changed hands. Fenugreek and coriander seed have been dealt in at higher rates. Shellac has fluctuated, but is higher on balance. Hull castor oil and Norwegian cod-liver oil are cheaper. Tinnevelly senna pods are dearer, and Japan vegetable wax is easier.

Higher	Firmer	Easier	Lower
Actone Clove Oil Coriander seed Fenugreek seed Formaldelyde Hen yolk Marshmallow root Methyl alcohol P.tch R. Senna pods (Tv.) Shellac Terebene, pure Turpentine Wormseed oil	Almond oil.  cssential Anise, star, oil Barbitone Bergamot oil Camphor oil Citronella oil (Cey.) Eucalyptus oil Ginger (Cochin) Mint oil (Jp.) Palm oil Petitgrain oil Petentigrain oil Petentigrain oil Paraldehyde Potash caustic Terpineol Wax, paraffin	Ammonia (anhydrous) Citric acid Lemon oil Mcthyl sulphonal Potash bromide Potash carbonate Sal ammoniac (dealer's) Soda bromide Tartaric acid Wax, veget. (Jp.)	

#### Cablegram

NEW YORK, October 24.—Business is quiet. Jalap is desirer at 22 c., and taraxacum has advanced to 9 c. Burdock root is higher at 17 c. Peppermint oil, in tins. has declined 5 c. to \$2.70. and Oregon balsam of fir is also cheaner at \$1.75. The American College. cheaper at \$1.35 per American gallon.

#### Crude Drugs, etc.

AGAR AGAR is steady at 5s. 6d. per lb. spot for No. 1, and 5s, 3d. for No. 2 quality. We understand 45 bales have been "invoiced back" on the ground that No. 2 was delivered for No. 1.

The exports from Japan during July amounted to 54,394 kin, valued at 103,002 yen. During the seven months ended July 31 they were as follows:—

1920 .. 663,533 1,145,561 971,329 ..1,064,858 1,207,380 1,523,321 Kin ..

ANTIMONY.—There is no alteration in English refined, business being confined to very small lots in the absence of any important stocks. The tone in foreign regulus continues firm, warehouse lots being hardly obtainable at below £25 10s., although near parcels might be had at £25 c.i.f. Crude is in restricted supply, and worth about £18 10s. on the spot.

BALSAMS.—Maranham Copaiba is steady at 1s. 9d. per lb. on the spot. Tolu is firm at 3s. 2d. per lb. c.i.f., with sales thereat, and the spot value is 3s. 3d. to 3s. 4d. Peru is unchanged at 7s. 6d. per lb. for B.P. on the spot. Cantharides.—Russian for forward delivery offers at 8s. per lb., c.i.f. terms.

CAMPHOR (CRUDE).—A fair quantity of Chinese has been sold at 3s. 3d. per lb. on the spot, and for October-December shipment 3s. 3d. c.i.f. is quoted.

CAMPHOR (REFINED).—English refiners report a fair demand the plant of the spot at t

mand at unchanged rates. Japanese  $2\frac{1}{2}$  lb. slabs on the spot have been the subject of Continental inquiry, the spot price being 3s.  $7\frac{1}{2}$ d. per lb., with October-December shipment offering at 3s. 5d. to 3s.  $5\frac{1}{2}$ d. c.i.f.

The exports from Japan during July amounted to 1,489 piculs, valued at 309,092 yen. During the seven months ended July 31 they were as follows:—

	1920	1921	1922
To	Piculs	Piculs	Piculs
British India	 3,183	1,371	1,590
Great Britain	 1,225	920	2,298
France	 259	227	1,329
United States	 2,203	1,281	8,952
Australia	 157	410	620
Other Countries	 1,161	633 <sup>-</sup>	1,535
- Piculs	 8,188	4,842	16,324
Yen	 4,213,361	989,911	3,274,601

CHAMOMILES remain very firm, with but limited quantities offering at 400s. to 410s. on the spot, and up to 425s. asked for new Belgian, growers of which claim they can only offer small lots.

COD-LIVER OIL.—Our Bergen correspondent writes on October 21 that the market continues quiet, with sellers slowly easing their prices. The official quotation for finest non-freezing steam-refined quality is from 93s. to 95s. per barrel c.i.f. London. Agents' quotations in London range from 88s. to 91s. per barrel c.i.f.

DROSERA HERB has been sold at 97s. 6d. per kilo.

ERGOT continues easy at from 2s. to 2s. 3d. per lb., the latter being asked for good Spanish.

GALLS.—Chinese are quiet, plum-shaped offering at 77s. 6d. and ordinary shape at 65s. per cwt. on the spot, the arrival prices being 65s. and 62s. c.i.f. respectively.

GLUCOSE is steady at 28s. per cwt. for guaranteed water-white for October-November delivery, duty paid, landed terms.

HEN YOLK is dearer, prime quality Chinese selling at from 100s. to 105s. per cwt. on the spot. To arrive, the sales include October-December and November-December shipment at 97s. 6d. c.i.f. and buyers. Dried yolk is quoted at 9½d., sprayed whole egg is 10d., and native dried whole is 8d. per lb. Prime Chinese hen albumen is 3s. spot, and November-December shipment is 2s. 11½d. per lb. c.i.f.

LAVENDER FLOWERS.—French are offered at from 70s. to 190s. per cwt. as to quality.

LIME FLOWERS vary from 100s. up to 250s. per cwt. as to quality.

LIQUORICE ROOT is steady at from 80s. to 82s. 6d. per cwt. for decorticated on the spot, and at 72s. 6d. c.i.f.

LYCOPODIUM can be had at about 3s. 9d. per lb. on the spot, and forward at about 3s. 6d. c.i.f. and a trifle less.

Menthol remains firm, with spot sales of Kobayashi-Suzuki at from 32s. 6d. to 33s. per lb. Afloat parcels have changed hands at 28s. to 29s. 6d per lb. c.i.f., and 29s. 6d. to 30s. c.i.f. was quoted on Wednesday. September-October shipment is quoted at 29s. c.i.f.

The exports from Japan during July amounted to 208 piculs, value at 230,656 ycn. During the seven months ended July 31 they were as follows:—

1920 1921 3,052 1,197 941 4,732,960 1,127,289 1,024,290

MERCURY.—The market is perhaps a shade easier, Mercury.—The market is perhaps a shade easier, while the Continental mine-owners continue to pursue a policy of reserve, and the quantities available in this market appear to be limited, and consist of second-hand material. The export demand has picked up a little, and there seems quite a good home demand again. Most sellers are asking £12 10s. per bottle for either Spanish or Italian, but here and there some business has been done at from £12 to £12 2s. 6d. per bottle. It is understood that some fairly substantial purchases were made recently by Germany on the Continent. The

demand in America has remained very restricted since the enforcement of the new tariff, but the market there nevertheless is strong, while domestic production is very small. American quotations range from \$71 to \$73 per small. American quotations range from \$11 to \$75 per flask, and a set-back is hardly expected, as a recovery in domestic production is unlikely with the market at below \$75, which is the figure on the basis of which the mines would be again restarted. The arrivals in London since our last report comprise 7,500 lb, and 75,000 lb. from Spain, and 15,000 lb. from Italy.

OPIUM.—The market remains unsettled, with dealers in primary markets holding very firmly, and prices are higher in Constantinople than in London, but as no steamers are available to effect shipment, no export business is possible at the moment. The London spot price of Turkey druggists is about 1s. 2d. to 1s. 3d. per unit.

Constantinople. October 17.—During the period of October 3 to 17 the following arrivals of opium took place:—Druggists', 444 cases; "softs," 39; Malatia, 10. The stock was: Druggists' 108 cases; "softs," 99; Malatia, 16. There has been sold to 1 cases of druggists' at 1,450 to 1,300 piastres per oke, and 26 cases "softs" at 1,400 to 1,575 piastres. Of these 60 cases have been exported to Europe, while the remaining 17 were acquired by speculators. Sellers are CONSTANTINOPLE, OCTOBER 17.—During the period of Octoremaining 17 were acquired by speculators. Sellers are scarce, as it was anticipated that these regular purchases for Europe, as well as the possible Japanese demand, would cause a sharp advance, the local stock being already reduced. In our opinion, prices will remain firm until the position in the Interior, as well as at Smyrna, becomes more normal.

PLATINUM has continued weak, no reliable quotation being obtainable for the moment, while every transaction seems a matter of negotiation. Refined metal can be called about £21 per oz., this showing a considerable fall, but this figure is quite nominal. Refining works at Moscow are said to have restarted operations, and laboratory utensils are also being manufactured there, according to a German report. The American price is down to \$102 to \$105. Palladium is worth about £11.

RUBBER continues firm, and the spot market closed on Wednesday evening (5 p.m.) at—standard ribbed smoked sheet and crêpe 1s. per lb., November 1s., and December 1s. 0½d.; January-March 1s. 0½d., and April-June 1s. 0¾d. per lb.

SAFFRON.—It is reported that the new Spanish crop has just been started on, and although the outlook varies in different districts, the area planted is undoubtedly smaller. Prices, however, are expected to be slightly easier. On the spot 105s. to 120s. per lb. is quoted according to quality.

SARSAPARILLA.-No grey Jamaica is obtainable on the spot, and the price is nominal: for red native Jamaica 2s. is asked. Mexican and Honduras is 2s. 6d. per lb.

SENNA. - A fair quantity of Tinnevelly pods have been sold ex the drug auction, and some catalogues have been cleared at 21d. per lb., and the price of good pods is now 3½d. per lb.

SHELLAC.—The trade demand having been more active, the market, helped by much stronger Calcutta advices and considerable withdrawals from stock, has risen substantially within the past week, the spot price of usual TN orange quality closing at 310s. to 315s. per cwt. Futures are much dearer, the sales including December at from 290s. to 307s. 6d., but on Wednesday this posi-tion declined to 290s. to 295s. March delivery has been sold at from 290s. to 280s., closing buyers on Wednesday.

STARCH PRODUCTS.—Japanese farina is dearer, with sellers at 17s. 6d. per cwt. on the spot. The value of Dutch farina is 14s 6d per cwt. c.i.f. for new crop for December shipment, and the spot value is about 16s. 6d. per cwt. English rice starch crystals are £40, and Continental is  $\mathfrak{L}$ 34 per ton on the spot. American maize starch powder is dearer at 14s.  $1^{1}_{2}$ d. per cwt. Superior Dutch dextrin is 26s. 9d., and No. 2, 23s. per cwt. on the spot. American maize is 17s. 6d.

STRAMONIUM LEAVES offer at 45s. per cwt. on the spot.

TEREBENE.—Pure has been advanced to 3s. 6d. per lb., six W. qts. being 2d. less.

TONKA BEANS.—Angosturas are practically off the market at the moment.

#### Seeds, Spices, etc.

Arrowroot is quiet, with common to good manufacturing St. Vincent offering at from 5d. to 53d., and grocery at 6d. to 7d. per lb.

CLOVES.—There appears to be very little spot stock of Zanzibar in first hands, spice dealers holding the bulk of it. Up to 1s. 6d. per lb. has been paid for fair on the spot, and sales forward continue to be made at cheap prices. The business includes: October at 7\(^3\_4\)d., and October-December and December-February shipment at  $6\frac{3}{4}$ d. per lb. c.i.f., and January-March at  $6\frac{1}{2}$ d. c.i.f. week's statistics show landings of 100 and deliveries of 21 bales; the stock is 510 bales, against 1,846 bales in 1921 and 10,651 bales in 1920.

COCONUT (DESICCATED) is steady, with sellers of fine at 34s. 6d. and medium Ceylon at 35s. per cwt. on the spot. To arrive, sellers quote October-November and November-December shipment at 34s. 6d. c.i.f.

CORIANDER SEED .- Sound quality is becoming very scarce, and slightly wormy has been sold up to 46s. per cwt.

FENUGREEK SEED has been in good demand, it being estimated that some sixty tons have changed hands, up to 27s. and 27s. 6d. per cwt. having been paid for sound and 30s. is now asked.

GINGER.—Cochin has been in more demand at 57s. 6d. for sound Cochin, and wormy is 45s. Jamaica is 170s. to 180s. for small and 200s. for bold. Japanese is 44s., and African 34s. to 35s. in Liverpool.

PEPPER is quiet. Black Singapore on the spot is still quoted at 3<sup>3</sup><sub>4</sub>d. per lb., and for November-January shipments there are buyers at 3 <sup>16</sup><sub>16</sub>d. per lb. c.i.f. Fair ments there are buyers at 3½d. per lb. c.i.f. Fair Tellicherry is 4¼d. on the spot, Aleppy 4d., and Lampong 4½d. on the spot. Tellicherry to arrive is 41s. c.i.f., and Aleppy to arrive 40s. c.i.f. White Muntok is unchanged, with sellers at 6d. per lb. on the spot. To arrive, November-January and December-February shipment has been sold at 5½d. to 5¾d. per lb. c.i.f. d.w. White Singapore is 5½d. on the spot and 5½d. c.i.f., d.w., for Outcher December shipment October-December shipment.

Pimento is steady, with spot offering at  $2\frac{1}{6}d$ , per lb., and to arrive 17s. 6d. per cwt. c.i.f. is quoted. The week's deliveries were 25 bags, leaving a stock of 8,748 bags, against 25,869 bags in 1921 and 39,051 bags in 1920.

#### Essential Oils

An unusual feature of the week is the number of oils which have increased in value. This improvement is due, in most cases, to the steady demand during the past few weeks. Clove oil is again dearer. American wormseed has advanced in first-hands. Star anise is also better. Camphor oil is scarce and dear; eucalyptus is selling well. Java citronella has come in for a belated inquiry, and c.i.f. prices are much higher from certain shippers. Japanese mint is scarce and firmer. Paraguayan petitgrain has improved. Bergamot oil is generally firmer, but lemon is tending easier, while Sicilian orange er. Spot stocks, however, appear not to Ginger and spearmint oils are lower. is much cheaper. be excessive. Aromatic and synthetic chemicals are quiet, and there are few changes to announce in the current quotations.

Almond.—Spot sales of essential oil s.a.p. have been made at 17s. 6d. per lb. Some holders quote up to 19s.

Anise (Star).—" Red Ship" is firmer on the spot at 2s. 2½d. to 2s. 3d. per lb., according to quantity. For

shipment 2s. 0½d. has been paid.

Bergamot is firmer. For certain brands up to 14s, 6d. per lb. is reported paid for 37 to 39 l.a. Prices range from 14s. to 15s., according to holder on the spot and c.i.f. for shipment.

CEDARWOOD.—For American in drums 1s. 5d. to 1s. 6d. per lb. is wanted, according to seller and packing.

CITRONELLA.—Ceylon is nominal at 2s. 3d. per lb., the spot. Java is firmer at from 2s. 11d. to 2s. 11dd. For shipment over 3s. c.i.f. is quoted in some instances, but resellers can shade this.

CLOVE.-Mysore distilled is dearer at 9s. 6d. per lb., c.i.f., for shipment due early next month. English distillers, who quote 10s. 6d. on the spot, are now awaiting shipments of the spice, the spot supplies of which are 8, 192

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ractically exhausted. One or two arrivals are expected within the next few weeks, but these may not appear on the market, and it will be about 6 to 8 weeks before the spot scarcity of the spice is relieved. Importers offer

shipment ex Continent just landed at 8s. 9d. per lb.

Corlander.—Supplies on the spot are scarce, and 55s.

per lb. has recently been paid for a small quantity. Holders

now quote 60s. to 70s.

active, and 1s. 6d. to 1s. 6½d. per lb. is the current value

of 70 to 75 per cent. cineol.

GERANIUM.—Bourbon geranium is in demand and scarce on the spot, with a value of 25s. to 26s. per lb. Shipments from France are quoted up to 23s. 6d. c.i.f., with business reported done. Some importers will not consider less than 25s.

GINGER is cheaper on the spot at 22s. 6d. per lb.

LEMON.—On the spot, quotations are about steady at 2s. 8d. to 2s. 9d. per lb. Prices to come forward are casier in some directions, 2s. 6d. to 2s. 7d. being fairly

LEMONGRASS.—Cochin is quiet and easy at 2 <sup>a</sup>/<sub>16</sub> d. per cz. on the spot. Bids of 2 <sup>1</sup>/<sub>4</sub>d. c.i.f. would be sent out.

NEROLI.—French bigarade has been selling at 28s. per

oz. on the spot.

NUTMEG is unchanged on the spot at from 5s. to 5s. 3d.

per lb., according to seller.

Orange.-A sharp decline has taken place in Sicilian sweet owing to the prospects of a good crop and also to the adverse Italian rate of exchange. The price to come forward for prompt shipment is 8s. to 8s. 6d. c.i.f. Spot supplies are not plentiful, but business can be done from 10s. down to 8s. 6d.

OTTO OF ROSE.—Bulgarian is unchanged at about 25s. to 28s. per oz. on the spot. French of good quality is obtainable at 25s., but some grades are quoted below this.

PALMAROSA.—Sales have been made to come forward at 15s. per lb., c.i.f. There are no spot supplies offered.

PEPPERMINT.—American natural tin oil is quoted on the spot at about 13s. to 13s. 6d. per lb., according to seller

PETITGRAIN is a shade firmer. Small lots have been sold at 7s. 9d. per lb. Case lots may be obtained at 7s. 6d. in some directions.

SPEARMINT.—American is cheaper on the spot at 14s.

SPIKE.—Spanish is steady at 3s. 1d. per lb., for drums up to 3s. 6d. for smaller lots.

THYME.—Spanish red with 27 to 30 per cent, of

phenols is steady at 5s. per lb.

WORMSEED .- American has been advanced to 15s. per lb., on the spot.

#### Aromatic and Synthetic Chemicals, etc.

AUBEPINE is offered at 11s. per lb. Coumarin is quoted at 10s. 6d. to 11s. per lb. Eugenol is obtainable at 12s. to 12s. 6d. per lb. Heliotropine is offered at from 5s. 6d. to 5s. 9d., according to seller. Iso-bugenol is firm at 18s. 6d. per lb. Methyl salicylate is easier at 2s. 1d. per lb. in cwt. lots. Safrol is quoted at 3s. to 3s. 1d. per lb., according to packing. Terpineol is firmer at 2s. 4d. to 2s. 7d. per lb., according to holder. Vanillin is quoted at from 28s. to 29s. per lb., as to quantity.

#### Pharmaceutical Chemicals, etc.

EXCEPT for one or two slight advances and some indications of a firmer tone in certain instances, there is very little change in the spot position. Citric and tartaric acids are easier. Conditions in Germany, however, point to a general advance as practically all quotations from that source are on a higher level, and are, in many cases, now dearer than those at which supplies could be obtained on spot. There is undoubtedly a large volume of stocks on spot which can be profitably cleared at the present levels, but fresh supplies will have to be quoted at higher rates. Internal conditions in Germany do not point to any possibility of cheaper prices, in fact, the reverse is the case. Labour is causing a good

deal of trouble and continue to demand increase of wages, and it is reported in some instances they are refusing to accept German marks. The outlook for the chemical industry in that country for the coming winter is considered to be black.

ACETANILIDE is well maintained at about 1s. 4d. per lb., according to quantity.

AMIDOPYRIN is seldom inquired for, and is quoted at about 16s. per lb.

AMMONIUM BENZOATE continues very firm on spot in measurement of the conditions on the Continent. Dealers consequence of the conditions on the Continent. are not inclined to sell at any price under about 4s. 9d. per lb., and forward would seem to be dearer than that.

Aspirin is well maintained at 2s. 10d, to 3s. per lb.; business continues bright, and the market on the Continent is firmer.

Barbitone has a firmer tendency, with quotations about 10s. per lb.

Benzaldehyde (.03) is level on the week at 3s. per lb., with the market quiet.

Benzoic acid holds very steady in view of hardening of Continental offers, the lowest prices recorded on spot are 1s. 6d. to 1s. 8d., but it would now be difficult to find spot at the former price.

BENZONAPHTHOL stands steady at 5s. per lb. on a quiet

Betanaphthol.—Resublimed remains at 1s. 10d. per lb., with practically no business about, and for cwt. lots 1s. 8d. would be accepted.

Bromides.—The position on spot has not improved, and holders are inclined to ease their quotations to effect sales. Ammonium is cheaper again at 8\frac{3}{4}d. to 9\frac{1}{4}d. as to quantity. Potassium, crystals and granular, 7\frac{1}{4}d. to 8d. per lb. Sodium, crystals and granular, 7\frac{1}{4}d. to 8d. per lb. The German makers price for potash bromide is 1s. 3d. per kilo f.o.b. Hamburg.

CALCIUM HYPOPHOSPHITE.—Chemically pure is quoted at 3s. 7d. per lb. on the spot from importers.

CALCIUM LACTATE holds quite steady and has been in better demand at about 2s. to 2s. 3d. per lb.

CHLORAL HYDRATE.—Duty paid on spot is well worth the quoted rate of about 4s. 4d. per lb., and 4s. 3d. for

CHLOROPHYLL is offered on sample at from 12s. 6d. to 15s. per lb., according to seller.

CITRATES show a reduction of 2d. per lb., the makers' list prices being: Potassium citrate, 2s. 5d.; sodium citrate, 2s. 2d.; and ferri ammon. cit., 2s. 7d. per lb.

CITRIC ACID.—Spot supplies are considerable, and at

the same time some very cheap quotations are being made for shipment; the latter being in the region of about 1s. 9d. per lb.; spot is easy at about 1s. 10d. per lb., less 5 per cent.

CREOSOTE .- B.P. is steady and in occasional demand at 2s. 6d. per lb.

CREOSOTE CARBONATE is unchanged on a dull market at about 10s. per lb. in bottles, and 9s. in demijohns.

Gallic acid.—The Referee's decision under the Safeguarding of Industries Act is given in full on page 593. The effect of the decision is to restore gallic acid to the list of articles chargeable with duty under Part 1 of the Safeguarding of Industries Act. Spot sellers quote the pure at from 2s. 9d. to 3s. per lb.

GUAIACOL CARBONATE is offered at about 7s. 9d. to 8s. per lb. on a dull market.

HEXAMINE on the spot is firm at about 2s. 8d. to 3s. per lb. Continental offers, f.o.b. Hamburg, are at about 3s. 2d. per lb., plus key duty of  $33\frac{1}{3}$  per cent.

HYDROQUINONE is unwanted, and spot supplies are being quoted nominally at 3s. 6d. to 3s. 9d. per lb.

METHYL SULPHONAL is offering on spot at 14s. to 15s. per lb., with very few buyers.

Paraformaldehyde remains irregular on quotation from 2s. 7d. up to as high as 3s. 3d. per lb.

PARALDEHYDE is advancing in consequence of firmer prices on the Continent, which are now at about 2s. 6d. per kilo, f.o.b. Hamburg, against the previous price of

1s. 4d. a kilo. Spot is steady at 1s. 4d. to 1s. 6d. per lb.

PHENACETIN is firmer on the Continent at about 5s. 6d. f.o.b. Hamburg; spot quotations are steady at 4s. 9d. to 5s. per lb., and will probably advance.

PHENAZONE is about steady at 7s. to 7s. 3d. per lb., but not in much demand.

PHENOLPHTHALEIN is very firm, with a difficulty in procuring offers from the Continent. There are ready buyers at 4s. 6d. in quantity, but 4s. 9d. is current value.

POTASSIUM PERMANGANATE remains steady, and business continues good. Imported on spot is well worth 8d. per lb.

POTASSIUM SULPHOGUAIACOLATE is nominal at 5s. 6d. to 6s. 6d. per lb.

RESORCIN seems a little steadier at about 6s. to 6s. 6d. per lb., with the market still dull.

SALICYLIC ACID is steady at 1s. 3½d. to 1s. 4d. per lb., as to quantity, with the demand on spot fair.

Salol is maintained at the unchanged price of 2s. per lb.

SODIUM BENZOATE on the spot is firm, and the lowest quotation recorded is about 1s. 9d. to 1s. 10d. per lb., with some asking 2s. per lb. German offers are advancing to still higher rates.

SODIUM DIETHYLBARBITURATE is unchanged on a neglected market at 16s. 6d. to 17s. per lb.

SODIUM SALICYLATE.—A slightly better tone is recorded, and prices are now quite steady; powder, 1s. 9d. to 1s. 11d.; crystals, 1s. 10d. to 2s. per lb., and 2s. 1d. for special brands.

SULPHONAL is in fair demand, with 14s. 6d. per lb. as the average price.

TANNIC ACID.—B.P. Leviss is steady at 3s. 3d. per lb., although in but little demand on spot.

TARTARIC ACID.—The spot market is easier, and prices are rather weak at 1s. 2d. to 1s. 2½d. per lb., less 5 per cent.

TERPENE HYDRATE is unchanged on a steady but quiet market at 2s. per lb.

THEOBROMINE.—The pure alkaloid is quoted in bulk at 13s. 6d. per lb., and the sodium salicylate at 9s. 6d. per lb.

THYMOL is slow at from 18s. to 19s. per lb., but sales would be at cheaper rates.

#### Industrial Chemicals, etc.

London, October 25.

THE few changes to record are mostly advances and firmer markets. Acetone has gone to still higher rates and stands firm, with spot supplies scarce. Acetic acid may again advance before very long, according to reports from America; the spot position is in consequence firm. Zinc oxides are irregular, but, owing to the advance in spelter, makers have put their prices up considerably, but little or no business is being done. Caustic potash may go higher before the end of the year. Formaldehyde is dearer.

ACETIC ACID.—After the recent slight reductions recorded last week the spot market is now very firm, and a recovery to former prices is expected before long. American rates are hardening. 80 per cent. technical, £40; 80 per cent. pure, £43; 98 per cent. glacial, £65 per ton, in casks and demijohns, ex wharf, London.

ACETONE.—Spot is still very limited, owing to the heavy demand and the consequent shortage. Acetone is, therefore, likely to advance considerably during the next few months. There is not nearly sufficient to meet the normal requirements. The American production has been seriously curtailed owing to the complete destruction by fire of one of the most important plants. On spot, £125 to £130 per ton.

Alump, in bags, is slow of sale on spot at about £13 per ton.

AMMONIA (ANHYDROUS) is again quoted at slightly lower rates—on spot and prompt shipment at about 1s. 7d. per lb.

Ammonium sulphate is firm on the basis of £18 to £19 per ton for export, there being plenty of inquiry. The

margin between home trade prices and f.o.b. terms lately has tended to widen, although another 5s. per ton will be added to the cost of the home user next month under the regulation in force. The September exports made an excellent showing, totalling 14,873 tons, against 12,262 tons same month last year. The aggregate for the nine months represents 103,621 tons. The takings last month by Spain and the Canaries amounted to 6,780 tons, against only 382 tons for September last year.

ARSENIC.—White Cornish powder is very scarce, and the terms now quoted are £46 10s. to £47 per ton, delivered London. The negotiation of orders is difficult, whether through the general lack of supplies or the inflated prices ruling.

Barium Chloride (90 to 100 per cent.) continues to be offered by dealers at about £20 per ton, but there is little doing.

COPPER-SULPHATE continues slow but steady, and even a shade firmer, while makers are once again faced with a higher cost for bar copper. The dislocated Continental rates of exchange are a restraining factor, although in another month or so the Continental demand should experience some revival. Orders for export could hardly be placed at less than £26 10s., some makers asking £27 f.o.b. for casks, less 5 per cent.

CREAM OF TARTAR remains slow of sale on spot in the region of 104s. to 105s. per cwt., with forward offers at 100s., c.i.f.

EPSOM SALTS is quiet and easy at £6 5s. per ton, in bags, for commercial.

FORMALDEHYDE, which advanced last week, has gone to still higher prices. Spot supplies are very limited and are firm at £74 to £75 per ton. The advance is due to rise in alcohol.

GLAUBER'S SALT drags on a weak market at £5 per ton, in bags.

LEAD PRODUCTS.—Holders of imported continue to ask the same rates: Red lead, £32 10s.; and white about £36 per ton.

LITHARGE remains dull but steady at £32 per ton, c.i.f. London.

LITHOPONE.—Continental 30 per cent. red seal is steady at £22 per ton on a quiet market.

OXALIC ACID remains flat and is not at all firm as quoted at 7d. per lb.

POTASH CAUSTIC (88 to 92 per cent.) is a shade firmer on spot at £29 10s. per ton, and it is reported that Continental makes will be advanced shortly.

Potassium bichromate is steady and meets with some demand at about  $6\frac{1}{2}d$ . per lb.

POTASSIUM CARBONATE is a shade cheaper at 32s. for 96 to 98 per cent. material. The demand is very moderate.

Potassium chlorate is well maintained and has livened up a little at  $4\frac{1}{4}$ d. to  $4\frac{1}{2}$ d. per lb.

POTASSIUM PRUSSIATE is unchanged and firm, with good inquiry for what is available on spot; yellow, 1s. 6d. per lb.; red, 4s. 3d. to 4s. 6d. per lb.

SAL AMMONIAC.—Again this week a further slight reduction in prices is recorded by dealers, with not much business about; dog-tooth crystals, 51s.; medium-sized crystals, 46s.; fine white crystals, 31s. per cwt.

SALTCAKE is not offering. Makers here and abroad are sold out and cannot meet the good inquiry for export. Nominal value, £4 5s. to £4 10s. per ton.

Soda ash remains quiet so far as spot business is concerned. There is little offering in London, but the price would be about £9 per ton. Marchester price is about £8 per ton. Makers quote to domestic consumers on contract at about £7 17s. 6d. per ton.

Soda (CAUSTIC) shows no change on the week, and business has been very limited. 70 to 72 per cent., £19 10s.; 76 to 77 per cent., £21 10s. per ton, ex wharf, shipping port. Makers quote to domestic consumers on contract at: 70 to 72 per cent., £20 5s.; 76 to 77 per cent., £22 5s. per ton. American 76 per cent. material is quoted, c.i.f. Continental ports, at about £19 per ton.

Sodium acetate is now fairly steady on spot, but still rather quiet at about £23 per ton.

SODIUM BICARBONATE from British makers for home trade mly is at £10 10s. per ton, in bags, delivered. Spot aterial is offering in the same region.

SODIUM CHLORATE has been a little more called for and steady at about 34d. to 34d. per lb.

SODIUM HYPOSULPHITE continues to meet with a fair emand, with dealers selling imported pea crystals, in cwt. kegs, at about £17 to £17 10s. per ton.

SODIUM NITRATE is unchanged at £13 per ton on a dull

SODIUM PRUSSIATE holds well and meets with good busiess on spot at about 114d. per 1b.

SODIUM SULPHIDE.—Prices are as last reported, with no mprovement in demand; 60 to 65 per cent. concentrated. 218 10s. per ton, in casks; 60 to 62 per cent. solid, £18

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COAL TAR PRODUCTS, ETC.—Pitch has again advanced nd is still a very firm market, and pure methyl alcohol as also gone to a higher level. Other products are about he same, with the market quiet. PITCH is now quoted on very firm market at the high rate of 110s. per ton. Pure very firm market at the high rate of 110s. per ton. Pure IEIHYL ALCOHOL continues to advance, and the price reorded is now £85 per ton, with the market firm. CREOTE OIL is steady at about 6¼d. to 6½d. per gallon. CARBOLIC CID crystals continue to be quoted at 6½d. per lb. for 39° to 0° C. crystals, in drums, but at this price the market is ot at all firm; detached crystals are 8d. per lb. Pyridine s unchanged at 5s. 9d. per gallon. Hexamethylene remains at 2s. 10d. per gallon on a quiet market. Naphthaeries is steady at £17 per ton, with the demand small; rude, £4 to £7; crystals, £15; powder, £16; balls, £24; andles, £34; tablets, £34 per ton, packages free.

#### Fixed Oils, etc.

LINSEED OIL was firm at the close. Turpentine has reached a very high level, and is now inactive. Palm oil is a strong feature. Hull castor oil is slightly cheaper note more. Other markets are about the same as last week. Acid oils.—A good demand continues, and prices are being well maintained. Coconut, 33s. 6d., is slightly learer. Palm-kernel at 32s. 6d. and groundnut at 34s. are level on the week. Castor oil..—Lower rates are being quoted as follows: Pharmaceutical, 53s.; first pressngs, 48s.; second pressings, 46s.; January-April delivery at 51s., 46s., and 44s., ex mills Hull, in not less than one-ton lots. Coconut oil..—This market at the rates stated is firm, and there has been better business. Cevlon pne-ton lots. COCONUT OIL.—This market at the rates stated is firm, and there has been better business. Ceylon has advanced to 39s.; Cochin is unchanged at 43s., and deodorised at 44s. GROUNDNUT OIL.—Trade has been decidedly slow, and rates are unchanged; deodorised, 53s.; crude Oriental, 47s. LINSEED OIL.—Recent arrivals of inseed were extremely small, and, crushers' operations being comparatively reduced, the continued scarcity of either raw material or the oil product itself is a dominating factor, and stringent conditions are likely to remain in evidence for a certain period. Spot oil thus commands a substantial premium. Our exports of linseed oil for the nine months were 54,164 tons, compared with 37,102 tons in the same months last year, about 30 per cent. of the in the same months last year, about 80 per cent. of the total having gone to America, whose purchases, however, have ceased under the new tariff. Both spot and forward positions of raw naked oil firmed up a little during the last day or two, and the market is now reported firm. On spot, 40s. 6d.; October, 39s.; November-December, 38s. 6d.; January-April, 34s. 9d. Hull, on spot, 39s. 6d.; October, 39s.; November-December, 38s. 9d.; January-April, 35s. Palm-kernel oil.—Last week's quoted rates are fully maintained on a firm market; deodorised. 41s.; April, 35s. Palm-kernel oil.—Last week's quoted rates are fully maintained on a firm market: deodorised, 41s.; crude, 35s. Palm oil is now very firm, and for Lagos and softs slightly higher rates are now being asked. Business has been good. Lagos, 33s. 6d.; softs, 32s.; hards, 32s. 6d. Rape oil is quiet, with quoted rates unchanged: refined, 47s.; crude, 43s. Soya-bean oil.—Last week's cheaper rates are maintained, with the market still slow: deodorised, 41s. 6d.; crude, 36s. Turpentine.—American has continued to advance till it reached its present level. The tone is now dull and practically inactive. On spot, 125s.; October, 125s.; November-December, 125s.; January-April, 125s. 6d. Stocks in hand now only total 7,500 barrels and 5,000 barrels; total, 12,000 barrels.

#### German Chemical and Drug Markets

The introductory remarks of the market report, dated October 16, issued by a leading Hamburg wholesale drug house, are devoted to the consequences resulting from the recent rapid decline in value of the mark, with reference to the similarity existing with the course of events in Russia and Austria. The following prices are given as approximate quotations, in marks, per kilo:—

ACETANILIDE is m. 1,150; for export, m. 1,250.

ACETIO ACID, glacial, and 80 per cent., are both in good demand, while supplies are scanty. For export glacial is quoted £53, and acetic acid 80 per cent. at £40, per ton.

ACETYL SALIOYLIC ACID.—Manufacturers have advanced their prices. Offered at m. 2,650; for export at the low price of Belgian francs 16.

AGAR AGAR.—Kobe I. is quoted at m. 6,500, Kobe II. m. 5,500; broken bulk will be charged m. 100 extra per kilo.

ALKANET ROOT is quoted at m. 100 for the home market and for export.

BALSAM PERU, genuine original is quoted at m. 12,000. Ph.G.V. is in considerable demand at m. 2,500, and for export at 5s. per kilo.

Benzaldehyde, almost free from chlorine, for foodstuffs, is very scarce.

CITRIC ACID has advanced to m. 2,800; for export, lire 22.

COUMARIN has been repeatedly advanced by makers. It now fetches m. 9,500, and for export is offered at francs 9.

CREAM OF TARTAR (98 to 100 per cent.) has been considerably advanced by makers, and is offered cheaply at m. 800.

ERGOT.—Large transactions have taken place, particularly for export, at m. 2,000; for the home market the price is m. 1,800.

GENTIAN.—Whole is m. 375, and cut m. 425.

GLYCERIN.—Chemically pure 28 deg. Bé. has advanced to m. 800; for export, m. 900.

HELIOTROPINE is m. 7,000, for home trade.

HEXAMETHYLENTETRAMINE is offered for export at Belgian francs 14.

LIME FLOWERS.—The amount collected has been small, while the demand for export is very considerable. Offered at m. 500, while large amounts have been purchased for export at francs 7.50.

LYCOPODIUM.—Genuine has advanced, and now fetches

m. 4,000.

MILK SUGAR.—The frequent advances in the price of milk have resulted in an increase in price for milk sugar, which has continued in brisk demand. In view of the decreased supplies of milk during the autumn and winter, the price is likely to advance still further.

PHENACETIN.—Large quantities have been purchased by foreign buyers. Offered at m. 4,800; for export at Belgian

francs 27.

PHENOLPHTHALEIN has been in very brisk demand at m. 2,600; for export, Belgian francs 22.

POTASSIUM BROMIDE is m. 375; for export, m. 450.

SALICYLIC ACID has been further advanced by manufacturers, and is offered for export now at Belgian francs 8.

SANTONIN continues scarce; the price for export is £78 per kilo.

TARTARIC ACID is offered at m. 1,500; for export, m. 1,600. VANILLIN.—In spite of the enormous advance in price, the demand has remained quite satisfactory, and pure is offered at m. 27,500; for export at 50s. per kilo.

WORMSEED has become comparatively scarce, and is in demand by foreign buyers at 22s. per kilo; the price for Germany is m. 14,000.

[We have been accustomed in recent German market reports to find export prices quoted for certain articles in shillings or in dollars, but in the above report we find quotations in Italian and in Belgian currencies as well!—

Gum Accroides.—Grass-tree gum is again commencing to find a ready market in Sydney, says "The Chemical Trade Journal." In pre-war days this gum found its way in large quantities to Germany, where it was used in the manufacture of pieric acid. Although the identity of the new purchasers is not disclosed, it is believed that the present supplies of the gum are being taken by German burgers.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Gallic Acid

SIR,—With reference to the editorial remarks you recently made on the gallic acid case under the Safe-guarding of Industries Act, in which my name was menguarding of industries Act, in which my haine was mentioned, and your market report which states that gallic acid is dearer owing to the Referee's decision, I will be obliged if you will give equal prominence to my repudiation of the inference that the alleged increase in price is due to me. I have kept to the same prices for the last city ments, and have needed of increasing them. the last six months, and have no idea of increasing them. As far as I can discover, consumers pay no more here than in other producing countries with the possible exception of Germany, where the cost of production is very different.

The Chemical Works,

Yours faithfully,

J. L. Rose.

Abbey Road, Barking.

#### Manufacturers' Change of Labels

SIR,—It has often occurred to me that it is a great SIR,—It has often occurred to me that it is a great pity the manufacturers of proprietary medicines, soaps, perfumes, etc., do not put a small explanatory label on when they change the label, or wording, or even the colour of the wrapper, shape of bottle, or any other change. Several times I have had trouble with a customer owing to some change in the "get up." On one particular occasion I was told that a well-known British soap—which I had imported direct from London—was made in Lanan all because a single comma had been omitted in Japan, all because a single comma had been omitted in the wrapper where it appeared on the old one. A small itself, but enough for the customer to notice. Where Chinese characters are added to a label it would 

The Protection of Glaxo

SIR,—The removal of Glaxo from the protected list of the Proprietary Articles Trade Association marks an unfortunate milestone in the history of that body, and will doubtless convey to the minds of many pharmaand will doubtess convey to the many pharmacists an unhappy impression that the Association has indirectly admitted its failure to be able to enforce the fundamental objects of its existence—the fixing of a minimum retail price or the stoppage of supplies. There minimum retail price or the stoppage of supplies. There are probably more difficulties in the case of foods than there are in the case of stamped proprietaries, but the pharmacist engaged in retail trade has not, as a rule, much knowledge of the many channels of supply open to the wholesaler, and will only take into consideration the fact that what was once a protected article is now no longer so. Although Messrs. Glaxo announce their intention of fixing their own minimum, it has not been stated how they propose to make the new method more successful. how they propose to make the new method more successful in accomplishing this single-handed, when they have not been able to do so accompanied by the help of all the houses associated with the P.A.T.A. At the same time or the list with which this trouble has not arisen, and why Glaxo should have been selected by grocers and others for a cutting campaign is one of the mysteries of the situation. In the future, therefore, it looks as though it may either be cut to the bone, or else a price will be fixed which will not leave sufficient margin to cover selling costs, and the result will be that it will be relegated to those shelves on which we keep certain goods in case an odd customer requires them, whilst we concentrate our selling energies on lines that are more satisfactory.

Yours, etc.;

Non-Cutter (20/10).

#### The Chemist's Title

SIR,—I disagree with "Xrayser II." that the titles pharmacist and pharmaceutical chemist are virtually synonymous. The title pharmacist never will be as good as chemist. Chemist is our statutory right. However, I recognise there are others possessing superior qualifica-tions in chemistry, and the time is at hand to pass a by-law conferring the Major title on all chemists and druggists. I have frequently expressed the opinion that all qualified pharmacists should distinguish the kind of chemist they are—i.e., pharmaceutical. There may be difficulties in the way, but these should be surmountable.

Seaham Harbour.

Yours truly, WM. FORSTER, Ph.C.

#### The Registered Druggist's View

SIR,-From time to time I read with interest in the U. & D. of the unsatisfactory position of the Irish registered druggists. At last, after strenuous work by Mr. Storey, and not a little opposition on the part of our more fortunate brethren, an attempt is to be made to bridge the gulf between the two grades of qualified persons. At least one or two southern registered druggists are watching the efforts of Mr. Storey with admiration. Whether anything comes of it, or, to put it plainly, whether a modified examination will be accepted by the pharmaceutical chemists remains to be seen. afraid there is bound to be vigorous opposition to anything less than the existing regulations. . . . It is a well known fact that the Society does not always take action when little faults lie at the door of their licentiates. A number of pharmaceutical chemists hold public appointments, some, indeed, several. How many of these employ a qualified assistant in accordance with the Pharmacy Act during their temporary absence? Apart from those Act during their temporary absence: Apart from those who hold public appointments, what length of time each day are the others in their shops? Ask some of the travellers about the difficulty of finding a boss "in" in Dublin. There is no other profession where "covering takes place to such an alarming extent as that of pharmacy. But woe betide the unfortunate registered druggist

macy. But woe betide the unfortunate registered druggist who dares to dispense a prescription written by a medical man. We may, however, legally compound and dispense one written by a dentist or veterinary surgeon.

I have seen it stated in the C. d-D. that registered druggists may not legally compound either veterinary surgeons' or dentists' prescriptions. This is incorrect. The only prescriptions which we may not legally compound are those written by physicians. We may now even legally dispense physicians' prescriptions so long as roactual compounding is involved. If the Mixed Committee would carefully study these matters they might see the would carefully study these matters they might see the absurdity of the registered druggists' qualification. Our rights were taken away from us by the Poisons and Pharmacy Act, 1908. With reference to the Dangerous Drugs Act, 1920, the law says we may dispense a physician's prescription, so long as no actual compounding is involved, the Society says we may not, and threatens drastic action if we attempt it. We seem to be nobody's children. Should negotiations break down let the pharmaceutical chemists go their own way and us ours. Let the registered druggists secede from the Dublin and Provincial Retail Drug Association, and either adopt the C. & D. Retail Price List as our standard or amalgamate with the Belfast organisation. Besides, the D. and P.R.D.A. price list is not all that it should be. To take P.R.D.A. price list is not all that it should be. To take an example at random: Pot. iodid. costs Is. 8d. per oz., and sells for 2s.; Syr. ferri phos. co. costs Is. 3d. per lb., and retails at 4d. per oz. The profits on cost prices are respectively 20 per cent. and 220 per cent. We pay 25s. a year for this, when, by being a subscriber to the C. d. D. for less, we get a reliable price list free. Almost every week the C. d. D. contains a list of applications by chemists for admission, without examination, to the Dental Register. No doubt some of these will be disgusted at the idea of registered druggists' aspiring to a similar position on the pharmaceutical register by examination. Yours truly, R. D. (20/10). examination.

#### pensing Difficulties and Notes

#### A Difficult Pill

The following script was handed in to us to be ised. Could you please give us the best method ispensing it?
OI. tereb.

.... ... mij Camphor ...
Ext. bellad.
Ext. aconiti ...
Ft. pil. Mitte xxx. ... gr. ij ... ... ... aa gr. 1/6

Yours faithfully, W. F. K. (16/9). [I e the oil of turpentine and camphor in a squat wi tube with 45 gr of white beeswax; cork the and stand in hot water till the wax is melted, th be and stand in hot water till the wax is melted, the place the tube in cold water until the mixture fees. Scrape out the contents of the tube, place in a tar, and work into a mass with the dried extracts sufficiency of powdered liquorice root—50 to 60 gr. Bi in mind that the pills "set" after being finished, at the mass may be a little softer than normal be the pills are cut. We have soaked a pill in water at 98° F., and it has become much swollen and soft, so at, while retaining the medicaments unaltered, it measumed to be readily disintegrated in the process of restion.

#### Hair Lotion

-Would you kindly explain the best way of prethe following recipe for a hair lotion :-

Sodii bibor. Ol. olivæ opt. ... ... Tr. eanthar. ... Ol. rosæ geran. зііj ••• ••• ••• 388 Liq. ammon. ... ... ad 3xviij Aq. ¿.. ... ... ...

was formerly made up quite satisfactorily, but now nnot get it to emulsify as it should. We have tried us methods, but none are satisfactory. Faithfully yours,

RABIB IDOS (26/9).

here is too much oil for the quantity of saponifying m ial. It does not matter how the compound is manied; it won't, as written, make a presentable preion. Owing to the oil being only partially saponi-here is not enough soap formed to emulsify the nder of the oil, consequently the lotion presents a ed appearance when shaken up. The employment of all quantity of saponin very much improves the . Powder the borax, add 10 gr. of saponin, and ate with the oil till the borax appears to be distant. i; then add the liquid ammonia and oil of geranium further trituration, the water being afterwards ally incorporated. Transfer to a bottle in which incture of cantharidin has been placed and shake. lotion, when prepared in this way, exhibits a homogo us distribution of the oil when shaken up. Separaoccurs later owing to the thinness of the liquid, but tl is of no consequence.]

#### Gargarisma Aluminis

-A customer for whom I dispense gargar. alum. B. C. (alum. gr. xx. inf. rosæ ac. 3ij.) complains that argle will not keep. I have used both distilled water at ap water, but with the same result; a kind of fi bid growth forms. My customer's doctor maintains the gargle ought to keep all right, but my experience at it does not. Can you give me any hint as to a at it does not. Can you give me any hint as to a od of avoiding the trouble, as I naturally do not care he suggestion of the medical man that my drugs are ne what they should be ?-Yours faithfully

H. R. (28/7).

Thile inf. rosæ acid. is known to deteriorate, it should a reasonable time. Alum solutions, however, fre-tly develop a fungoid growth. The gargie should be up as freshly as possible. Theoretically, the mineral should be sufficient to prevent change, but in prac-this is not so. The gargie is improved by the addi-of 10 per cent. of glycerin.]

#### Legal Queries

Mortar (18/10).—You have no claim on the Health Insurance benefits which your assistant obtains when he is

Daughter (9/10).—The "executor, administrator or trustee" of a chemist is allowed by Section 16 of the Pharmacy Act, 1808, to continue the business so long as it is bona-fide conducted by a registered chemist and his contribute of explication is achilisted on the service. certificate of qualification is exhibited on the premises.

- B. & D. (19/10).—The labels you send do not disclose the name of the seller so as to enable the authorities to the "known, admitted and approved" exemption of the Medicine Stamp Act. "The —— Pharmacy" is not a "person" entitled to the exemption.
- A. J. D. (19/10).—The interim period for the coming into force of the Dentists Act, 1921, expires on November 30, from which date all dental practice by unregistered persons must cease. This applies to every branch of dentistry, and the Act being such a "close" one it will not be permissible to act as an agent in the manner you suggest.
- J. O. K. (18/10), who has paid his Unemployment Insurance contributions up to date, is now out of work. What is the rate of unemployment benefit now payable; and is the Employment Exchange bound to find him another position as a chemist's assistant? [Unemployment benefit is payable at the rate of 15s. weekly, and, in addition, an allowance may be claimed in respect of dependents. While the Employment Exchange will endeavour to find "J. O. K." a situation for which he is qualified, he might be called upon to accept other suitable employment if it is available.]
- W. A. S. (12/10) receives a yearly income of £1 (assessed under Schedule A) from a gable and advertisement space. He is assessed on this at £2, and upon his objecting to this the Inspector of Taxes refused to reduce because the space was rated for poor rate at £2. Asks what is the correct amount upon which he should Asks what is the correct amount upon which he should pay, and wishes also to know what is the procedure if he should refuse. Will he have an opportunity of stating his case in court, when an order is applied for against him? [This being an assessment under Schedule A, it ought to be the rent at which the place is worth to be let by the year. In the case of a place let on an agreement commencing within seven years prior to April 5 last, this should ordinarily be the actual rent of £1, whatever the poor rate may be. An appeal ought, however, to have been entered against the over assessment within the time set out on the notice of assessment. As this has not been done, there will be no opportunity of raising the question in Court. A collector of taxes can distrain for unpaid taxes by means of an official warrant without applying to any Court.]
- M. B. W. (16/10), who carries on business in Ireland, M. B. W. (10/10), who carries on business in Ireland, recently bought some goods from a London firm which were posted to "M. B. W." in two parcels. One of the parcels was lost, and the senders made a claim against the Post Office without success. The senders state that the loss must fall upon "M. B. W.," and that the Post Office announced recently that it would not accept any responsibility for parcels sent to Ireland. Is this correct? [For some months past the Post Office has accepted parcels of non-perishable goods for all parts of Ireland. parcels of non-perishable goods for all parts of Ireland, except co. Kerry, upon the same conditions as to parcels for other parts of the British Isles. If the London firm obtained a certificate of posting it is probable that the Post Office would pay compensation, not exceeding £2, in Post Office would pay compensation, not exceeding £2, in respect of the loss; but the Post Office is under no legal responsibility. In the ordinary way where goods are lost in transit, from the seller to the buyer, the loss falls upon the latter, so that, assuming that the London firm was authorised to send the goods by post, and can produce evidence of having posted the parcel, the loss must probably fall upon "M. B. W."

#### Miscellaneous Inquiries

- When samples are sent particulars should be supplied to us as to their crigin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to rublish supposed formulas for them.
- W. S. (16/8).—Balsam of Honey with Glycerin.— The following is the formula for which you inquire :-

Ol. anisi	• • •		3iv
Chloroformi	• • •		311 <b>j</b>
Spt. æther. nit.	***	• • •	3x
Tr. camph. co.	• • •		$\mathfrak{Z}^{\mathbf{X}}$
Tr. benz. co	• • •	•••	Зхv
Oxy. scillæ	• • •	• • •	3xx
Vin. antim	• • •	•••	3xv
Glycerini	• • •	• • •	tbiv
Theriacæ			fbiiiss

The other formula we cannot trace,

- A. D. B. (12/10).—Amino-acids may be described under two headings-aliphatic and aromatic. Aliphatic aminoacids are of great importance physiologically to plant and animal organisms. They are degradation products of protein, from which they may be obtained. The simplest example of an aliphatic amino-acid is glycine, which is acetic acid in which a hydrogen of the vertexly group is example of an aliphatic ammo-acid is glycine, which is acetic acid in which a hydrogen of the methyl group is replaced by an amino group thus, CH<sub>3</sub>COCH (acetic acid) becomes CH<sub>2</sub>(NH<sub>2</sub>) COOH (glycine). Aromatic amino-acids are used in the preparation of azo-dye compounds. An example of this type of acid is anthranilic acid, which has a hydrogen replaced by an NH group thus acid, which may be described as benzoic acid  $U_{i}H_{i}$   $UUUH_{i}$ , which has a hydrogen replaced by an  $NH_{2}$  group thus,  $C_{i}H_{i}(NH_{2})$  COOH. Any text-book on organic chemistry, such as Cohen's or Perkin & Kipping's "Theoretical Chemistry," will probably give you all the information you require. A more complete work is Thorpe's "Dictionary of Chemistry." tionary of Chemistry.
- R. R. (16/9).—The Ministry of Pensions prescriptions should be sent for pricing to the South-Eastern Pricing Office, 25 Cedars Road, Clapham, London, S.W.4.
- G. J. C. (5/9).—(1) PACKING HYDROGEN PEROXIDE.—The consensus of opinion in regard to the packing of hydrogen peroxide seems to be that small stoneware bottles with screw stoppers are the safest to employ. Even then there is often trouble from burst bottles. (2) The formula for Honey and Flowers was given in the C. & D., May 20, p. 72.
- R. W. B. (21/8).—Worm tablet for sheep.—Referring to the reply we gave you in the C. & D., October 21, p. 582, a correspondent writes to suggest that you may be referring to the Compound Arsenic Tablets recommended as a cure for tape-worms in lambs in the "Farmer and Stockbreeder" for 1910. The formula is:

recuer for Lord.	THU	TOTILITIE	to its	
Arsenious acid			gr.	j.
Ground tobacco		• • •	gr.	iij,
Sulphur		•	gr.	v.
Tron carbonata			CCTT	37

Make into a tablet and coat with the object of delaying the solubility of the tablet.

The tablets are not given to lambs younger than eight weeks, and must be administered whole. The dose is one tablet, once a fortnight, after a night's fast. It is further stated that the dose of arsenic for a lamb is from  $\frac{1}{4}$  to  $1\frac{1}{2}$  gr., and 2 gr. for a sheep. The tablets are supposed to combine the properties of a worm-killer and expeller with a tonic, and there is plenty of testimony as to their efficacy.

F. H. R. (23/10).—Sulphuric-acid dilution.—Anton's table for diluting sulphuric acid (C. & D., January 3, 1920, p. 32) does not give the particular sp. grs. you refer to. The following are the nearest: One hundred parts of water with 30 parts by weight of sulphuric acid (sp. gr. 1.84) yields a product of sp. gr. 1.165, with 35 parts of acid, sp. gr. 1.189, with 40 parts of acid, 1.210.

Idos (9/10).—Sodium sulphide soon decomposes in solution, but strong solutions keep better than weaker. The addition of some sulphurous acid would probably help to prevent the decomposition.

Pourri (25/10).—Pot pourri.—See C. & D., January 28, p. 102.

- W. E. W. (18/10).—FEATHER-PLUCKING BY PARROT. W. E. W. (18/10).—FEATHER-PLUCKING BY PARROT. Through indulgence in animal food, parrots are induce to pluck their feathers and suck the stems to satisf their craving. The cure consists in withdrawing a animal food and giving bread and milk instead. It also recommended to add a few drops of tincture a saffron to the drinking water until it is the colour a sherry. The parts from which the feathers have been lineked should be bathed with strong salt and water an plucked should be bathed with strong salt and water an then sprayed with dilute ox-gall.
- W. S. (3/10).—The rest-cure method of Weir Mitchel of Philadelphia, is described in medical works. There is for instance, a good account in Quain's "Dictionary of Medicine" under "Neurasthenia." The method consist in complete yest in head in a medical home massing of the in complete rest in bed in a medical home, massage of th body and graduated feeding with milk and proteins.
- R. & Co. (6/10).—Syrupus pectoralis, Norwegia: Pharmacofæia.—The following is the formula:

Morphine hydrochloride ... 1 gm. Bitter almond water ... ... Syrup of calcium hypo-phosphite ... ... 30 gm.

... 1,969 gm. Dissolve the morphine hydrochloride in the bitter-almond water, and then mix with the syrup of calcium hypophos

> Syrup of Calcium Hypophosphite 
>
>  Calcium hyphosphite
>  ...
>  ...
>  15 gm.
>
>
>  Sugar
>  ...
>  ...
>  ...
>  630 gm.
>
>
>  Distilled water, q.s. to make
>  ...
>  1,000 gm.

- P. (12/6).—Sample of one thought to be coprolite.—This occurs as a hard, very dark-reddish brown rock, with some metallic lustre; some quartz is evident. It contains iron as its essential element, and no other metal appears to be present in significant quantity. It was specially tested for calcium and phosphates with negative result, so that it is not a specimen of coprolite.
- W. C. (18/10).—MANUFACTURE OF CIDER.—Whole apples —those which ripen in October are best—are ground to a pulp or uniform mass between the rollers of a mill, forming what is called "pomace." This mass is exposed to the air for from six to thirty hours and is then put between hair cloths and pressed, the juice or "must" being run into vats. The "must" is then stored in vats in cool cellars, where it undergoes fermentation. The scum and dregs are removed, and albuminous matter precipitated by adding catechu. Undue activity is neutralised and a preservative added, such as salicylic acid (1 oz. to 96 gallons). The cider is then put into bottles or barrels and allowed to mature in cool, dry cellars. -those which ripen in October are best-are ground

### Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," October 15, 1872

#### Edward Parrish

Edward Parrish

American Pharmacy has lost a bright ornament, and all of us will miss a valued instructor by the death of Professor Edward Parrish, of Philadelphia. Mr. Parrish had been selected by the United States Government as Special Indian Commissioner, to accompany a friendly expedition, the object of which was to visit the various tribes of Indians in the West, and to observe the working of certain new measures which had been adopted in the Government relations with them. Mr. Parrish was a member of the Society of Friends, to which body the United States Government invariably entrusts all negotiations with the Indian tribes. Having arrived at Lawrence, Kansas, the expedition had to take an open waggon, and travel some 250 miles through an unhealthy region to Fort Still. Mr. Parrish suffered severely from the journey, and arrived at Fort Still in a prostrate condition. He was taken to the house of Mr. Tatum, the Government Indian agent, who was himself a member of the same religious body, and from him and from Mrs. Tatum he received the most tender and careful attention. The weather was very hot, the thermometer standing as high as 120 deg. Fah., and being in a very debilitated condition, Mr. Parrish succumbed to typhoid fever on September 9, fully conscious to the last. He was buried the same evening.

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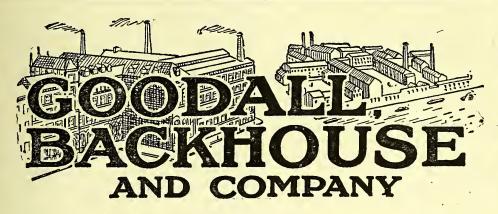
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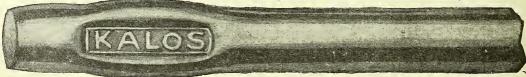
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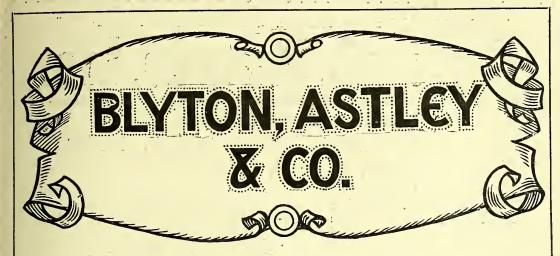
HOWARD LLOYD & CO. LTD., LEICESTER.

"KALOS" LIQUORICE JUICE
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In order to maintain the highest standard of Purity, samples of this Juice are periodically submitted to Mr. Ernest J. Parry, B.Sc., F.I.C., R.C.S., London, for analysis: Buyers may submit samples for analysis of any shipment they may receive at makers' expense.



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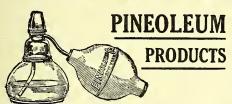


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A Proven Efficient Remedy (Formula of Dr. Iwan Bloch) INDICATED IN

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For the successful treatment of Anæmia and allied conditions, it is now generally recognised that Iron must be administered in Large Doses, and not in small doses as hitherto. meet this requirement

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Idozan is a preparation by which large doses of assimilable Iron can be prescribed with the knowledge that it will not cause constipation, nor have any irritating effect on the stomach. It has a sweetish aromatic flavour and is entirely free from any astringent inky taste. It does not harm the teeth.

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The best emolient tablet for rough skin and chapped hands.

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Neatly wrapped and cartoned, ready to hand over the counter. It looks smart and is very effective.

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UR Season's campaign—directed to sufferers from muscular and nerve pains—has commenced: appearances will be consistently maintained in the CREAM of the papers. Experience tells us that 7 inch spaces—all "talk" and "proof"—long enough to convince—concise enough to be read—inserted in the big-circulation Press, will best sell our goods. Every sale is directed to our Retail friends and their interests are safeguarded by our P.A.T.A. protected profits. DO NOT MISS ONE SINGLE SALE; if at present you don't feel like taking advantage of our bonus terms, order a few of each size 1/3 and 3/-) from your usual Wholesaler. Put "ODDS ON" on your WANT list at once and get your P.A.T.A. profit.

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There is
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Whether you buy
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In order to secure and MAINTAIN the co-operation of Retailers in furthering sales and displaying advertising materials, we offer a PERMANENT bonus of 13 articles to the dozen; any size, for direct orders value (assorted) £3 and over. Our only stipulation is that a display is made after receipt of each consignment.

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Kutnow's Powder is acknowledged by chemists and medical men to be the best product of its kind on the

That is why no customer who has once tried it ever leaves it for long.

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Purchased in convenient quantities Furchased in convenient quantities from any Wholesaler they carry a clear protected (P.A.T.A.) 25% on turnover (33\frac{1}{3}\%) on cost). Their real merit—backed by shrewd advertising - ensures a steady evergrowing sale.

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RVONA is obtainable from all the usual wholesale houses, or direct, at the following prices—3/- size, 27/- per dozen. 15/- ,, 135/- ,, ,,

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3/- ,, (four times the quantity) 27/- ,,

# MOLVENE

(the safe flesh reducer).

3/- packet ... ... 29/- per doz.

Terms Net 30 days, subject to usual trade references. For orders under 27/- in value cash with order.

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# Urodona

Costs you  $48/- & 115/2\frac{1}{2}$  per doz.

5/- & 12/-Sells at

It is backed by an extensive advertising campaign. Urodonal is in every home—it has a constant demand. Urodonal stands for clear profits—are you getting your share of these?

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KNOWN ALL OVER THE WORLD AS THE STANDARD LIQUID PLASTER.

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# "KRENOMAR"

"KRENOMAR"

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RINGWORM POWDER

TESTIMONIAL.

"After being under four doctors for one year and a half, and spending a lot of money on ointment, my children's heads were rubbed with your powder. After one application I found they were quite cured, and the hair began to grow at once." (Mrs.) I. C.

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"Until recently I suffered prolonged agonies with toothache and neuralgia. Then a friend introduced to me your powder. The result was truly marvellous. The sharp stabbing pains so hard to bear entirely disappeared, and now I know there is true relief to be had for toothache and neuralgia. I cannot speak too highly of this cure."—E, S.

Sole Proprietors and Manufacturers:
The Proprietary Cures (Parent) Co., Ltd.

Managing Director: Capt. E. T. Jackson.

Reg. Office: 85 ALBERT ROAD, MIDDLESBROUGH.

Selling price in each case 1/1½ per Box.

Special trade terms on application,

A SURE SELLING LINE. Something New. To complete a Perfect Toilet

USE THE ONLY **FINGER NAIL** ENAMEL

Reg. Trade Mark. Patent.



Popular Price. Big Profits.

covers the Nails with an indestructible refined Polish.

gets Brighter and Brighter Day by Day. only disappears with the growth of the Nail. is simple to use, quick to dry and never requires polishing.

Price to Retailers: \(\frac{1}{4}\) gross & up, 138/- per gross. Sell 1/6 (MEMBERS P.A.T.A.). Terms to wholesalers on application.

BLESKO LTD., Upper Hill Lane, SOUTHAMPTON.

Dr. Bengué's Ethyl Chloride for Local and General Anaesthesia in Glass and Metal tubes.

Large selection of tubes.

Anestile for Local Anaesthesia.

Narcotile for General Anaesthesia.

Methyl Chloride.

Ask for Special Terms and Showcards for Dr. Bengué's Balsam.

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A safe, simple, and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, baving supplied ber, it is only common sense to claim she will buy other family necessaries from him. Moreover, the retailer has a profitable return on a quick turnover. has a profitable return on a quick turnover.

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OSCAR SCRUTON & CO., YORK

# BEECHAM'S PILLS

# WHOLESALE PRICES.

# Beecham's Pills:

1s. 3d. size 10s. 6d. per doz. net. 3s. 0d. " 26s. 6d. 5s. 0d. new size, contains double 50s. 0d.

# the quantity of 3s. box, Beecham's Cough

1s. 3d. size 10s. 6d. per doz. net. 3s. 0d. .. 26s. 6d.

Minimum quantity £5 value.

Packages FREE,

Carriage PAID.

CASH WITH ORDER,

Chaques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ld, St. Helens."



# BISHOP'S SOLUBLE ASPIRIN IN TABLETS

Registered Name:

# **LITMOPYRINE**

Each tablet contains 5 grains of Lithium Acetyl-Salicylate.

# LITMOPYRINE TABLETS

In bottles of 40 at 22/6 per doz. subj. M.R., 2/6

In bottles of 100 at **45/-** per doz. subj. M.R., **5/-**

# LITMOPYRINE 1

is also supplied as a POWDER

for dispensing, and as a

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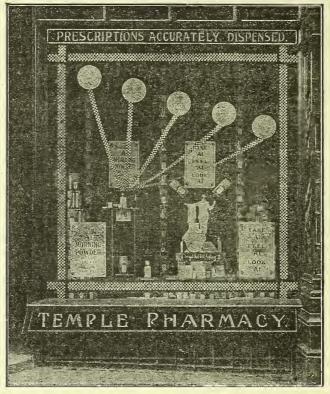
5 grains in 60 grains.

And in the following combinations:

LITMOPYRINE and CAFFEINE in TABLET FORM and GRANULAR EFFERVESCENT LITMOPYRINE, grains 5, with CAFFEINE ALKALOID, grain ½ in 60 grains.

ALFRED BISHOP, LTD., 48, Spelman Street, LONDON, E.1.

THE ARISTOCRAT OF TONIC LAXATIVES



**OVER PROFIT** 

**OVER** 50% PROFIT

SOUTHALLS'

# MORNING POWDER

A POWDER-FREE PINHEAD GRANULE PREPARATION OF THE HIGHEST CLASS. URIC ACID'S GREATEST ENEMY.

RETAILS

DISPLAY MATERIAL Supplied with all orders for 6 doz.

COSTS 12/6 per doz.

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SPECIAL ARTISTIC HAND-PAINTED SHOWCARD (12 in. × 21 in.) of "FIGURE ON BATH," AS ILLUSTRATED ABOVE, supplied on loan for 3 or 4 weeks' display with all orders for ONE GROSS.

12/- in gross lots.

Less 5 %.

SOUTHALL BROS. & BARCLAY, Ltd.

PACKED GOODS SPECIALISTS,

LOWER PRIORY, BIRMINGHAM.



"GRIPS" WINDOW DISPLAY COMPETITION

which takes place in November, write now to

"GRIPS" Competition Department,

54 Corporation St., MANCHESTER.

for Official Entry Form and Special Parcel of Advertising Material.

ERE'S the right kind of business for you. 1 Stock up with "Grips" First-Aid Pastilles we'll send you the customers.

Large Advertisements will appear in the leading London and Provincial newspapers and periodicals. Millions will read them and come to you for "Grips." It's up to you to meet the demand.

Write now for particulars of our big Advertising Campaign and "Grips" terms to

Thos. Christy & Co., 4-12 OLD SWAN LANE, LONDON, E.C. 4.

FIRST - AID



Regularly and powerfully advertised to members of the medical profession in Great Britain, 90% of whom prescribe Iodex daily.

Iodex is P.A.T.A. and face value. On best terms it shows a profit of nearly 30%. Are you getting your share of this profitable business? Write for particulars of our special offer!

Icdised Throat Tablets "M, & J,"

A popular, sure-selling line in attractive tins. Tablets contain iodine, benzoic acid, cinnamon, menthol, aniseed &c., appealingly flavoured. Gross at 6/- per dozen, artistic showcard included "Own Name" if desired. Sell at 1/-, showing 100% profit on cost! Sample dozen For sprains, cuts, bruises, scalds, burns, ringworm, rheumatism, neuritis and inflammatory conditions generally Iodex is excellent.

MENLEY & JAMES, LTD., Menley House, 64, Hatton Garden, LONDON, F.C. 1.

# Guaranteed Relief or MONEY BACK



For Rheumatism, Lumbago, Neuritis, Gout, Sciatica, and all other Uric Acid Complaints.

> A Nationally Advertised Line that pays Retailers 25% on a steady increasing sale. Send now for Special First Stock Parcel: 1 doz. 3/- size, 1 doz. 5/- size, doz. 12/- size. Any quantity Carriage Window Display Terms on ion. All Wholesalers stock PHYSIKURATE. Paid. Application.

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As advertised, any dissatisfied customer will receive money back on applying direct—this saves you from trouble and ensures your recommendation and profit.

PHYSIKURATE, Ltd., 92a Upper Clapton Road, LONDON, E.5.

ORKS WHILE YOU SLEEP

# ALL CHEMISTS SHOULD STOCK

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral
Waters. The Original and only genuine Fruit Drink.
Reduced Prize List can be had on application.

DUNCAN McGLASHAM, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH.

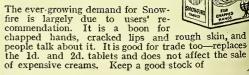
REAL SILVER LEAF

As supplied for many years to the leading Houses for Pills, Cachous, &c. We also supply

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# The Snowball Sales of Snowfire





Write to-day for Terms:

F.W. HAMPSHIRE & CO., Ltd., Riverside Works, Derby.

YDIL

# Make HEADACHES help to fill your till-sell



ONSIDER "Daisy" from a thoroughly business-like point-of-view the point of view you have got to have to be successful to-day and you will see how wise you would be to push it hard.

For "Daisy" yields you from 50 to 100 per cent. of clear profit; it is easy and quick to handle; the market is big and includes nearly everybody; and it is advertised so heavily and so well that your every "headache" customer will accept it gladly.

We have some attractive new display matter—bills and showcards—that are worthy of a place in the most exclusive pharmacy and put "Daisy" on an altogether higher plane. With every order we will send a generous supply of this strong selling matter, so enabling you to make a money-making display with no trouble at all. And every inch of display space you give to "Daisy" will put silver in your till.

Every day "Daisy" gets more and more users, more and more people learn how safe yet how quickly effective it is. They are passing your window every hour. Let them see that you have "DAISY" and into your store they'll come.

Quick, easy, big-profit sales are what every chemist wants. "Daisy" offers them to you to-day. Will you take them?

# **Terms**

1/- Packets each containing 8 powders—Minimum Retail Price, 1/-. Sample Powder 2d. For not less than 1 doz. Boxes, 9/9 per doz. For not less than 3 doz. Boxes, 9/2 per doz. 2/3 Packets each containing 20 powders—Minimum Retail Price, 2/3. For not less than 1 doz. Boxes, 21/6 per doz. For not less than 3 doz. Boxes, 20/6 per doz. Mixed Orders for 1/-, 2/3, 6/- size and for "Daisy" Tablets on best terms. Discount 7½ per cent. for cash. Carriage Paid to destination. From all Wholesalers or direct.

Order your season's supply of "DAISY" to-day, and let others suffer from the slump

Daisy Ltd., Leeds

# IT STANDS TO REASON THAT, ACTING FOR PRACTICALLY ALL THE WHOLESALE TRADE, THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED Get the Protection of the Drug, Clemed, Phengraphic & Allied Toolsch, Holds the unrivalled position of being able to render the finest possible service in relation to The Collection of Accounts, Status Enquiries, Investigations, Valuations, Purchase and Sale of Businesses, [FACTS THAT MATTER.] It has Agents in every town in the United Kingdom—It owns the most Up-to-Date Records—And its Directors are connected with the Leading Manufacturing Chemists. A VERY LARGE FIRM MUSTRS: "We strongly advise every business firm placing their accounts in your hands for collection. THE (RSSULT will ASTONISH them." WRITE TO-DAY FOR PROSPECTUS, and by joining, you will make your BAD DEBT LEDGER or relie of the past. Chemists' Business Transfer Agency, Auction and Valuation Department. VENDORS. Chemists desiring to dispose of their businesses, Wholesale or Retail, are invited to place them in our bands. We possess an unique register of bounfaide purchasers. PURCHASERS. Intending purchasers will do well to consult us, as we have an invited to place them in our bands. We possess an unique register of bounfaide purchasers. FURCHASERS. Intending purchasers will do well to consult us, as we have an univalled experience in the sale, transfer and valuation of all classes of business, and give expert advice free of charge. STOCKTAKING. We make a special feature of this very important work, and having a large and qualified staff to assist us, we can carry on the same expeditionally and without interruption to business. Moderate and inclusive fees. THE ASSOCIATION OF MANUFACTURING CHEMISTS, Limited. PRINCIPAL - PARKIN S. BOOTH, ACCOUNTANT AND VALUER. (The Trade Protection's "Lite Wire," as the "C. 6. D." describe him.) LOW make a special feature of this very important work, and having a large and qualified staff to assist us, we can carry on the same expeditionally and without interruption to

•

# The "Cold" Season is approaching

WE HAVE A NOVEL REMEDY IN

# PINE CATARRH CURE

For Inhalation from the Handkerchief or Pillow.

Packed in attractive Cartons at 7/6 DOZEN.

SHOWCARDS SUPPLIED.

MAY WE SEND YOU A SAMPLE?

YOU HAVE NO DOUBT NOTICED IN THE PRESS THE FOLLOWING ADVERTISEMENT

# "PELDO" YOUR HANDS FIRST

Perhaps some of your customers have enquired from you about it?

If you do not already know "Peldo" we shall be pleased to send you a Trial Tube post free, so that you may learn all about it; you will then have a very interesting subject to talk about to your customers.

RETAIL PRICE 1/6 EACH NET

(P.A.T.A.)

Attractive Window Display material and Showcards supplied. Sample Tubes supplied gratis in proportion to quantity ordered.

13/6 PER DOZ.

In order to introduce "Peldo" we are offering a special bonus for a guaranteed window display of not less than 14 days as follows:

On orders of 1 gross a bonus of 18 full-size tubes. On orders of 6 dozen a bonus of 8 full-size tubes. On orders of 3 dozen a bonus of 3 full-size tubes.

Further particulars on application to

# C. R. HARKER, STAGG & MORGAN, LTD.

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63

# Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD. LIVERPOOL - LONDON - MANCHESTER - LEEDS.

# SALVO PETROLIA

The Perfection of Petroleum Jelly
MANUFACTURED SOLELY BY

THE DEE OIL COMPANY, Ltd. DELTA WORKS, BOOTLE, LIVERPOOL.

Packed in barrels, kegs and smaller packages according to requirements.

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PETROLEUM JELLIES, WHITE BASES, ETC.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema,

Phone: 186 Bootle.

Wires: "Cestrian Liverbool'

# Stock "WATTS" British Safety Blades

now supplied in convenient nickel-plated container fitted with a spring lid,

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of the per doz.

12 Perfect Blades
in every
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They have a super keenness that ensures perfect
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Retailers' profit

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A user writes: "Your Gillette-type Blades are a revelation."
Another writes: "Have found nothing to compare with your Blades."
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Established over 150 years.
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Gough, Kidston & Co.

Chemical Manufacturers,
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(A good name is more than riches.)



# **CLOUDY AMMONIA**

goes one better than ordinary ammonia in quality—and profit. Recommend it and reap that benefit.

We do not put the label on until the quality is there.

All experienced buyers know that the name of Sutton stands for trustworthiness, uniform high quality, and absolute purity.

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THE FINEST BRITISH LANOLINE PRODUCED

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If you send your order on to us we will supply you with a single case of M.O.F. Food (12 tins) carriage paid direct, or through your usual Wholesale House at trade price.

Fixed Retail Price per 1/9 tin.





One thousand doctors recommend it.

Order through your Wholesaler, or direct from A. & R. SCOTT, LTD. Colinton - Midlothian (Makers of Scott's Porage Oats).



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Tonic, Restorative, Digestive Wine.

Known throughout the World, and prescribed in all cases of ANÆMIA, DEBILITY, and CONVALESCENCE, to Young Women, Children and the Aged.

DOSE: One wine-glass after the two principal meals.

Recommended by—
PROF. BOUCHARDAT, Professor of
Hygiene, Paris Faculty of Medicine.
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"For more than thirty years St, Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie Rosson Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—Union Médicale, May 8 and June 12, 1873.

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To be obtained from all Wholesale Druggists.

# Bonus Offer Still Open

Chemists placing their first direct order for 1 dozen Osmos, receive in addition, 4 bottles Gratis. They therefore clear 18/- profit on their outlay of 22/-

22/- per dozen. Carriage paid. Retail 2/6 (P.A.T.A.).

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OSMOS
The Great British
Aperient Water

# Vinum Xericum

BUTTS. 108 gails. HOGSHEADS. 54 galls. QR. CASKS. 27 galls.

Grade B. STRENGTH 16.5°-17° Abs. Alc.

Grade B. , 18°-19° Abs. Alc.

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(1)

For the Winter Wine Essence Trade here is a line that is popularly priced, and gives a good profit.

Seven Flavours—all true to name.

It comes to you from a house that is widely known for the high-grade quality of its goods. And because of this, you will have every confidence in recommending "Castle" Wine Essence to your customers.

The popular price of 9d. per bottle brings it within the reach of all. Each bottle gives SIX QUARTS of delightful wine—and the choice of SEVEN flavours provides your customers with a variety that enhances the selling value.

Throughout the season you will find "Castle" Wine Essence a ready seller. It speedily becomes a line always in demand—and helps your business along.

You should get in on this GOOD TRADE now!

Write for terms, etc., to-

WILKINSON & SIMPSON LTD. Manufacturing Chemists, NEWCASTLE-ON-TYNE.

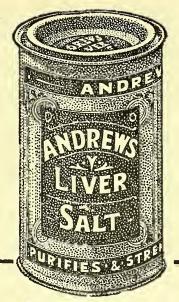
# MASON'S **WINE ESSENCES**

for Seasons' trade

WINDOW SHOW ALLOWANCE. **NEW & ATTRACTIVE** STYLE OF PACKING.

NOTTINGHAM.

Apply for Price List and particulars to **NEWBALL & MASON** 



# Autumn Gift Scheme

to celebrate a record year.

Full particulars of the Andrews' Liver Salt Autumn Gift Scheme have been despatched to all Retailers and Wholesalers.

If, by mischance, you should fail to get your copy, please write to us for it at once.

In writing, it will be necessary to state what Andrews' stock you hold. No Retailer should miss participation in this Scheme as it is intensively a selling one.

So-if particulars have not reached you, write mentioning your current Andrews' stock and full details will be forwarded to you at once.

TURNER, Ltd., Manufacturers, (Dept. C.D.)

Gallowgate, NEWCASTLE - UPON - TYNE.

### An Invitation . . .

Retailers who have not hitherto stocked "Andrews'" are invited to write for Trade Terms and to participate in this Autumn Sales Scheme.

# FREDK. FINK & CO.,

10 & 11 MINCING LANE, LONDON, E.C.3. SPECIALITIES .- Gums Arabic and Tragacanth as Imported or finely powdered.



# XMAS WINDOW TICKETS & WINDOW POSTERS

produced in Artistic & Refined Colorings for advertising Christmas Presents List Nº C.D. 675. Showing \*\* DUDLEY & COY HOLLOWAY RO LONDON, N.

# Pyrogallic Acid Gallic Acid

Manufactured J. L. ROSE

At ABBEY ROAD, BARKING, LONDON, E.

Wholesale and Export Only.

# SANTROCYL CAPSULES

(An improved Santal Wood Preparation) SPECIALLY MANUFACTURED for ALL CLIMATIC CONDITIONS. Bottles or Boxes containing 36 Capsules 24/6 per doz.

May be obtained through most Wholesalers and Export Agents.

JOHN W. MAWSON & CO. LTD., Medicinal Capsule Makers,
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LOUIS J STAMBOIS (Dept. C), 34 Call Lane, Leeds.[15]

# GILLETTE BLADES GENUINE U.S.A. MAKE

At 30/9 per box of ten doz., post free. Cash with order. Enquire for Bargain List.

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Write for quotations A wide, long band, sticky on both sides.

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KINDLY ORDER THROUGH SUNDRY HOUSE Farmer's "BAITED" PHOSPHOR PASTE

It makes the RAT infested your friend. Best Rat Killer extant. Jars 4d., 72d., 1/3. For Home and Export. FARMER & CO., Homerton, London

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# Sull going strong-6d. P.A.T.A. 6 dozen and I dozen Bonus, in strikingly attractive outers-4/- dozen. Fine Cards, Window Bills, and other material supplied. Buy 3 x 6 dozen, with proportionate Bonus, and you get our winning Window display. THOS. CHRISTY & C. 4.338 4-12 Old Swan Lane PROFIT

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EVERY EXPERT. BY AN BOOK

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THE Trade Bonus Scheme runs from 1st March, 1922, to 28th February, 1923, covering all purchases of Bovril and Invalid Bovril at List Prices made between these dates.

Customers who wish to participate, but have not yet intimated their intention to do so, should <u>at once</u> write to the Company for full particulars and an entry card.

Window bills for display in connection with the scheme have been posted to all retailers who participated in the last scheme. To secure the bonus, these bills must be displayed between 1st October and 31st December, 1922.

The demand for Bovril steadily increases, and Retailers are advised to place their orders early for the coming Winter.

# BOVRIL

BOVRIL, LTD., 148-166, Old Street, City Road, London, E.C.

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

# The Marvel Whirling Spray Syringe



Gold Medal Awarded, Paris, 1902, by the Société d'Hygiene of France

as the latest and best improvement in Vaginal Syringes, Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.







You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz. Retail price, 15/- each.

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BUY DIRECT SAVE INTERMEDIATE PROFITS.



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REFILLS

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	REV	LOC	
Pner	ımoni	a Ja	ckets
	ALLIVII	u oo	CHOCO
	from best wool ately packed in	transparent	envelope.
Four	Display ou popular sizes n	ters supplied.	
No.	Size.	Wholesale.	Retail.
1 2	8"×8" II"×II"	8/9 11/9	$\frac{1/1\frac{1}{2}}{1/6}$
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4	18"×18"	23/6	3/-
	Include an asso next order to Di		
F. NEV	<b>WBERY</b>	& SON	S, LTD.
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	3 Crichton I	Place, Car	diff;
or direct f	& G. H	COLV	/FD
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00 70 1		,	rmingham.

# INDIA RUBBER HOT WATER BOTTLES & AIR CUSHIONS



SOLID RED I.R. AIR CUSHIONS. CIRCULAR.

 14"
 15"
 16"
 17"
 18"

 5/8
 6/4
 6/8
 7/4
 7/8
 each.

 19"
 20"
 21"
 22"
 22"

 8/6
 9/4
 11/4
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 each.

All kinds of I.R. Goods, Tubing, Enemas, Air and Water Beds, Finger Stalls, Bandages, Crutch Tips, Gloves, Waterproof Bed Sheeting, &c.

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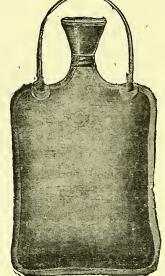
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Guaranteed 2 years.
Fitted with Patent
Double Seal Stoppers.
10"×6" 10"×8" 12"×8"
3/4 3/10 4/2
12"×10" 14"×10"
5/2 5/6 each.

# RED SEAMLESS MOULDED

Boxed Separately

No. 2 size ... 4/6 each No. 3 ,, ... 5/8 ,,



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Telephone: Central 3820.

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A Chemist is a discriminating buyer, and should always use

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**NON-CURLING** 

# **GUMMED PAPER**

for his Labels.

ASK YOUR PRINTER
ALL ABOUT IT.

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# THE UNIVERSAL CALL

for the admitted remedy for varicose veins, recommended by doctors and nurses everywhere, is causing a great demand for

# NORVIC

CRÉPE BANDAGES

Do you stock them? If not, you are missing trade. Ask your wholesale house for them.

In neatly-labelled packages; easy to handle and quick to sell.

Sole Manufacturers :

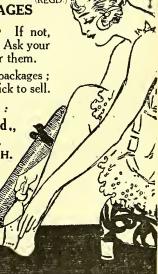
GROUT & CO., Ltd.,

Textile Manufacturers,

GREAT YARMOUTH.

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ENEMAS. SEAMLESS

25/- DOZ

		F	IG 987.							s.	đ
Fig. 987.—The "B.E.M."			al pipe, ct	c., com	plete in	card b	ox		per doz.	25	0
**	in superior card								17	27	U
11	in leatherette sna								2.7	29	Ü
,,		stout, the finest art	cicle made	, in sup	erior ca	ard box			• • •	32	0
	in leatherette sna	p case								34	.0
Special Line	e, red unpolished,	in card box .								26	0
		in leatherette case								30	0
		Stout, in card bo							,,,	30	0
		in leather							,,,	34	0
988.—The "Empire	19 black poliched	in card box						• •	,.	26	ň
Joo.—The Zimpire	black polisicu,	in leatherette case	• • • •	• •		• •	• •	• •	31	30	ň

A discount of 5 per cent. for prompt cash is allowed on all amounts of 10/- and upwards. Mouey returned if goods are not satisfactory. Write for new Price Lists of Druggists' Sundries, Rubber Goods, cut Sheet Rubber Appliances, etc., containing ful particulars of our well-known "Empire" brand of Air Cushions, Clinical Thermometers, Enemas, Hot-water Bottles, etc., etc

BURGE, WARREN & RIDGLEY, Ltd., 91 & 92 GREAT SAFFRON HILL LONDON, E.C.1.

				ES (R	
"HU	WAKD	RKAN	י.עו	English	Make.
6×8 9 oz.	6×10 10 oz.	10×8	12×8 124 oz.	12×10 15 oz. (	Approx.
2/6	2/9	3/3	3/9	<b>4/3</b> e	ach.
			on above		
COV	FRS-	_" PI	ush"	r "Velo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1/2					
•	,			2/- V	
				<b>2/2</b> P	
DIC	DEN	INC	ROT	TLES	(GOOD
טוט	LEIVE	DELLAC	DUI		MAKE,
1 oz.	2 oz. 1 <b>9</b> /_	3 oz. 1 <b>3</b> /_	4 oz.	6 oz. 15/= g	
8 oz.				10/≈ g 20 oz.	ross.
15/-			25/-		ross.
VIALS	& HEX	. POIS	ONS can	he had at	voru lou
pı	ices with	above in	5-6 gross	assorted cas	ses.
CASES	FREE.	CARRI	AGE PAI	D 100-mile	radiue
					- Laurus
TI	HOS	2	SIX	AL	FG
20-2	4 BUT1	N STRE		EED	21

# **TISSUE**

Made from best quality wool and enveloped in gauze. COMPLETE IN 1-oz. CARTONS

A ready seller which guarantees

REPEAT ORDERS

Sample dozen free on receipt of P.O. for 5/6



### **WE GUARANTEE** EVERYTHING WE SELL.

Send your inquiries for Chest Protectors, Abdominal Belts, Suspensory Bandages, Finger Stalls, Maternity Corsets, Magnetic Belts, Wrist Straps, Surgical Hosiery, etc., to the Actual Makers-

A. B. FROST & CO. Surgical Hosiery Works BEESTON, Notts.

Established 35 Years.

# "Cynta" Hygienic "Towelines".

"Cynta" Hygienic Towelines."

Mass production and the most modern methods of manufacture now enable us to offer the High-Class "CYNTA" Hygienic "TOWELINES" at prices within the reach of everyone.

Size 0 1 2 3 4 5 6 TRADE 6.9 8/4 11/4 13/10 15/9 18/9 22/2 Per gross

RETAIL 10d. 1/0 1/4 1/8 2/0 2/4 2/9 Per packet of 1 doz.

Once sample Packet of Each Size, 1, 2, 3, Sent Post Free on Receipt of Po. Value 2/9.

Corder your supplies through your Wholesale House. We invite comparison for QUALITY and VALUE.

SAMPLES FREE on application to

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St. Thomas' Place, STOCKPORT.

# SOL=VO SANITARY ROLLS & PACKETS.



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THE BEST & PUREST

# SANITARY PAPER



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Three dozen Rolls	•••	8/- net.	Three dozen Packets		11/- net.
Half gross lots		7/6 ,,	Half gross lots		10/6 ,,
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CARRIAGE PAID.

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Surgical, Chemical, Domestic Articles, Syringes, Water Beds, etc.



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# RUBBERFABRIEK HOLLAND

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TEATS, SOOTHERS, RUBBER GLOVES, SURGICAL RUBBER GOODS
Samples and Quotations gladly sent by ENGLISH REPRESENTATIVE, 35 NEW CAVENDISH STREET, W.I.

# CURASOL SULPHUR SOCKS

Reduction in Price from Sept. 1.

Retail 3d. pair. Cost 2/- doz. Six doz. lots @ 23/- gross.

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FOR SAMPLE PAIR SEND POST CARD STATING SIZE TO

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# Companion Lines



Made of purest India Rubber.

No taste or smell.

Practically indestructible. The most perfectly made all-rubber soother ever offered for sale.

# 'SIMPLIC' TEATS

Made of purest India Rubber. In 8 different patterns. Each in separate carton. IN BOXES OF 3 DOZEN.

Ask your Wholesaler for "Simplic" REGD.

# CHRISTMAS IS COMING

and already folk are saving up their money to spend at your establishment if you will let them do so. If you haven't got the goods when the time comes naturally they will go somewhere else, and you will get into your head the mistaken impression that the old customs are going to the dogs, whereas it's to the man round the corner that the custom has gone.

# YOU CANNOT BE SURE

of getting the goods at the last moment because May, Roberts, as well as all other wholesalers, so calculate their stocks that they shall be cleared before that time comes. It's only the articles which are in the least demand that remain at the disposal of the eleventh-hour buyer.

# MAY, ROBERTS' XMAS LIST

is fully illustrated and contains an exhaustive selection of Fancy Perfumery, Sachets, Leather Goods, Hair Brushes, Stationery, Tobacco, Cigars, Cigarettes, Manicure Sets, Sprays, Photographic Goods, &c., &c., and they will be happy to forward you a copy on receipt of a postcard.

# IT'S THE EARLY BIRD

that gets there every time, and the Chemist with the first window display will establish the psychological association which will bring the customer to your pharmacy when the buying mood seizes him. May, Roberts have some attractive Christmas Showcards which will assist you in giving a Yuletide atmosphere to your window.

# MAY, ROBERTS & CO., LTD

7/13, CLERKENWELL ROAD, LONDON, E.C.1

And at Dublin, Liverpool and Plymouth.

# **ID DRUGGIST** THE CHEMIST MAN 42 CANNON ST. LONDON E.C.4 OCTOBER 28, 1922 This Supplement is inserted in every copy of The Chemist & Druggist.

### HE CHEMIST AND DRUGGIST SUPPLEMENT

# REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods and Shopfittings for Sale, and Agencies—6/- for 50 words; every additional 10 words or less. 60

SITUATIONS OPEN-6/- for 40 words; every additiona

10 words or less, 6d.
SITUATIONS WANTED-2/- for 18 words; every addi-

tional 10 words or less, 6d.

Legal Notices, Te-ders, Auctions, and all specially-spaced announcements, 1/3 per nonparell line (12 lines=1 inch single column).

Miscelianeous (Wholesalers') Section for odd and second-hand lots—0/- for 60 words; 1/- for every additional 10 words or less.

EXCHARGE COLUMN (for Retailers, etc.)—Twopence per word minimum 2/s.

per word, minimum 2/-

### Вож Number,

each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of I/- extra for each ad Pertisement. Payment,

Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE C IEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C. 4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

EARLIER CLOSING FOR PRESS. Will advertisers please note that until further notice it will be necessary that Advertisements

ntender for the Supplement must FIRST POST THURSDAY MORNING.

# CHEMISTS' TRANSFERS. Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No : City 2283.

# May be consulted at their Offices on matters of SALE, PURCHASE and VALUATION

L-LONDON, N.—Ready-money Business; returns, under nagement, £50 weekly, with scope for increase; net profit per cent.; rent moderate; held on lease; terms to be arranged

2.—LONDON, S.W.—Ready money Business; returns, about 1,600 yearly; net profit 25 per cent.; rent. £48, which includes sidence; lease, 172 years, unexpired; price £1,850.

5.—KENSINGTON.—Family Retail and Dispensing Business; tablished 75 years; returns, present rate, about £1,500 per num; gross profit, 40 per cent; single-fronted shop; good orking stock; held on lease; rent £60, sublet £91; price, about

4.—LONDON, W. (Distant Suburb).—Cash Retail Business, pitally situate in busy shopping locality; returns, about £30 ekly, under indifferent management; scope for large developent; about the value of stock and fixtures, would be accepted.

5.—LONDON, W.—Good-class Dispensing Business, returns bout £10,000, at full prices; double-fronted shop, well-fitted ad heavily stocked; new lease will be granted; further details a receipt of banker's reference.

6.—LONDON, S.W.—Cash Drug Store; returns, present rate, 15.£16 weekly; single-fronted shop; good working stock; 21 ears' lease; rent, £48; price £600.

7.—LONDON, N. (Main Thoroughfare).—General Retail usiness; returns, present rate, £15 to £20 weekly, with scope or large increase; modern, well-fitted shop, fully stocked; 6-00med house and garden; rent £63; 14 years' lease; price £850.

8.—LONDON, E.C.—City Pharmacy; very old-established; tuate in one of the main City thoroughfares; gross receipts,

CJ

about £6,500, increasing; new lease will be granted; price, about

9.—SOUTH WALES (Near Coast).—Old-established Business, with Wine and Spirit Licence; returns last year, £3,220 at good prices; house contains 10 large rooms; private entrance; 17 years' lease; no opposition; price to be arranged.

10.—BATH (Near).—General Retail and Dispensing Business; returns, present rate, £16 to £17 weekly, with scope for large increase; stock and fixtures estimated by vendor at £650; held on lease at a rental of £28 per annum; entirely unopposed; price £650.

11.—YORKS.—General Retail and Prescribing Business; returns last year, about £800, with scope for increase; slugle-fronted shop, fitted in mahogany and fully stocked; new lease will be granted; rent £33; price £730.

12.—CO. DURHAM.—General Retail Business, offering scope for extended trading under energetic management; returns about £20 weekly; single-fronted shop, fitted in mahogany, and fully stocked; rent moderate; terms, valuation of stock and fixtures, about £650.

13.—DORSET.—General Retall and Dispensing Business, with Optics; returns last year. £2,530; net profit, about 25 per cent.; the shop is well fitted and stocked; there is ample living accommodation; terms, goodwill £250, stock and fixtures at valuation; freehold, £2,000; part payment entertained.

14.—LONDON, S.E.—Nucleus of a Manufacturing and Wholesale Chemist's Business; the turnover at present is small through want of attention, but the opportunity exists to create a good Business; low rent; about £200 required.

### STOCKTAKING. VALUATIONS FOR

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C. 4

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Valuers and Transfer Agents, 35 Jewry Street, Fenchurch Street, E.C.3. Telepl one-1809 CENTRAL.

1.—MIDLANDS.—Good-class mixed Family Retail, with photographic, in large market town. Returns over £4,500. Modern pharmacy, good position, and heavily stocked. Price, simply valuation of stock and fixtures, about £2,500.

2.—SOUTH COAST.—Good-class Cash Retail, in prominent position on sea front. Returns over £2,000. Well-fitted pharmacy, fully stocked. Price £1,350.

3.—SURREY (30 miles out).—Small good class Retail; no near opposition. Returns £10 to £12 weekly under management; low rent; lock-up shop; good stock. Price, £300; suit beginner.

ment; low rent; lock-up snop; good stock. Free, 2500, sate beginner.

4.—LONDON (ESSEX).—Cash Retail, with very large panel; in unique position; returns £2,650; net profit, £750 to £300; very heavily stocked. Price, £2,250 cash.

5.—LONDON, S.W.—Cash Drug Stores, returning £15 to £16 weekly under poor management; can be doubled; no near opposition; low rent, long lease. Price £550.

# BUSINESSES WANTED.

IMMEDIATELY, in large town, a good sound business, returning not less than £3,000 a year, and capable of extension. Client waiting with £3,000 cash available; also a large number of buyers seeking smaller concerns in all parts.

# STOCKTAKING VALUATIONS.

We are now booking dates for November and December, and invite early applications to save disappointment. Terms sent on application.

ESTABLISHED 1870.

# The Association of Mnfq. Chemists

Head LOffices-26-28 Kimberley House. Holborn Viaduct, London, E.C. 1. (and at 2 Bixteth Street, Liverpool.)

PARKIN S.BOOTH, Accountant and Valuer PHONE: CITY 6942-43

WE HAVE THE FOLLOWING BUSINESSES FOR DISPOSAL.

WE HAVE THE FOLLOWING BUSINESSES FOR DISPOSAL.

1.—WEST OF ENGLAND.—General Business for disposal; would suit Motor Engineer; with premises suitable for opening a Chemist's business; without competition; established 10 years; price for freehold premises, goodwill, fixtures, fittings, and stock, £1,700; premises consist of double-fronted shop, large dwelling honse, workshop, and garage for 5 cars.

2.—LONDON, W.—Family Retail and Dispensing Business; returns about £1,500, increasing; rent, £60 per annum, let off £90 per annum; total ingoing, about £1,400.

3.—WEST OF ENGLAND.—Small Tablet-making Business for disposal; excellent opportunity for small buyer; price, to include goodwill, extensive machinery plant, and stock, £400.

4.—PENRHIWCEIBER.—Small well-fitted Chemist's and Druggist's, with exceptional iving accommodation; stock, £200; rent, £45 per annum; no reasonable offer refused.

5.—MOUNTAIN ASH.—Exceptionally well appointed Chemist's and Druggist's; consists of 2 shops; stock, £250; rent, £90 per annum; offers wanted.

6.—KENT.—Chemist and Photographic; rent, £52; lease 4

annum; oners wanted.

6.—KENT.—Chemist and Photographic; rent, £52; lease 4 years to run; returns. £2,000; stock at val., £400; price £1,200.

7.—LONDON N.—Chemist's Business; 14 years' lease; £63 per annum; returns, £20 a week, all ready money; price for lease, goodwill, fixtures, fittings, and utensils, stock, and to include new shop front, £850; good living accommodation; full particulars, apply.

WANTED.—Genuine Chemist's and Drugg client wishes to invest £1,000; Business must of tigation. Enquiries, in first instance, as above. and Druggist's offer fullest inves

STOCKTAKING AND VALUATIONS FOR ALL PURPOSES UNDERTAKEN UPON REASONABLE TERMS.

# BAKER & ROBERT

P. C. Baker, Ph.C., M.P.S. W. Rooke Roberts, M.P.S., F.S.M. 174 VICTORIA ST., S.W. 1.

Valuers for Sale or Purchase. Income Tax, Probate, etc.

> Personal attention, no publicity. please write for moderate terms.

Recommended by The British Drug Houses, Messrs. Meggesi Ltd., Messrs. Barclay & Sons, Ltd., and many other leadi Wholesale Houses.

Chemists' Valuer and Transfer Ager

FOR SALE as a going concern upon very advantageous terms. OWNER SELLING OWING TO OTHER ENGAGEMENTS

The Goodwill, Stock and Plant of the original and old-established GELATINE CAPSULE business of

T. DUN, GLASGOW.

Proprietary lines (P.A.T.A.) in constant demand, and great export possibilities Would form nucleus or useful adjunct for House already catering for Retail Chemists, or a good living for energetic young man who could supervise.

USEFUL PREMISES, suitable for Stores or other light manufacturing

BUSINESS COULD BE TRANSFERRED ELSEWHERE WITHOUT DEPRECIATION.

138 LICHFIELD STREET, WALSAL

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

> 45a MARKET STREET, MANCHESTER. ESTABLISHED OVER HALF A CENTURY. Telegraphic Address: "Tomtom."

### FINANCIAL.

CHEMISTS.—A good opening offers for obtaining an init in an old-established Wholesale Drug Business; capit of quired from £4,000 to £5,000; principals only. 14/429, of this Paper.

### BUSINESSES FOR DISPOSAL.

THE

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for 50 words or less; 6d. for every additional 10 words or less, prepaid.

FRICA.—Chemist's and Druggist's Business at Dar-Es-Salam, East Africa; price £3,500, of which only £1,000 need be h; a fortune for an energetic and capable man. Apply Keep others, Ltd., 35/36, Great Charles Street, Birmingham.

others, Ltd., 55/56, Great Charles Street, Birmingham.

(ARDIFF.—Old-established Business for Sale in main thoroughfare; no optics, photography or any other side-e; turnover about £1,400 per annum; excellent profits; enertic man could easily double; illness sole reason for selling; ly once changed hands in 30 ycars. Further particulars on nker's reference. "W." 106/28, Office of this Paper.

IDINBURGH.—Good-going, old-established Dispensing Business, in good locality. For particulars of returns, etc., ply 14/434, Office of this Paper.

IVERPOOL.—Advertiser has opportunity of taking over old-lestablished Chemist's Business doing £3,500, capable of rease: double-fronted; freehold; owing to lack of capital vertiser seeks qualified man with £2,000 or more to complete me; will bear strictest investigation; excellent opportunity. 4/35, Office of this Paper.

ONDON, E.—Cash Drug Stores, capable of great improve-l ment; in populous neighbourhood; no near opnosition; low nt: house let off; available later; good opening for N.H.I. and hotography; Price £350. 106/32, Office of this Paper.

ANCHESTER.—A splendid opportunity occurs to acquire a really stund Chemist's Business, showing 29 weekly net off; Stock and Fixtures, valuation; goodwill to be arranged, so up-to-date Pharmacy, Blackpool; splendid stand; heavily ocked; handsomely fitted; large, profitable turnover; any lease anted; £2.000; stamp. Brierley, 135, Queen Street, Newton eath, Manchester.

TEAR WOLVERHAMPTON.—Business doing at present £18 weekly; corner shop; living accommodation; rent and tes £47; owner taking up other work; price for quick sale 460; everything. Apply 102/23, Office of this Paper.

USINESS for Sale.—Lucrative Business in working-class district, S.W.; returns over £2,000; net profit over £1,000; nop, five rooms, cellar, 'phone; price, including premises, 2,800; £450 can remain on mortgage; genuine; trial given. 05/320, Office of this Paper.

OR disposal, old-established Chemist's Business; well stocked; good prices; very little opposition; rent moderate, or the record Premises may be bought. "Truval," 108/24, Office of

TOR immediate Sale, close to South Wales. Chemist's Shop Fittings, Stock and every requisite necessary for opening usiness, including Specialities for agricultural purposes, and any valuable recipes included: fittings with wall glass cases, ests of drawers, etc., all in perfect condition. Apply in first astance to Smith Charley, House Agent, Blakeney, Gloucester-hire.

PROPRIETARY Articles, Formula approved by well-known Professor of Chemistry, B.Sc., F.I.C., Certified by well-known inalytical Chemist as novel; many testimentals; good oundation laid upon which to build up profitable business; opular prices. Wanted a firm to take over mannfacture and ale, to be had on easy terms. Apply "W. L. T.," 108/17, Onice of this Paper.

UNOPPOSED Business in large village; an unusual opportunity for a young man; old age cause of sale. Atkinson, hemist. Tuxford, Newark.

# APPRENTICE.

 ${f A}^{ ext{PPRENTICE}}$  required; excellent training; London. 108/210, Office of this Paper.

# PARTN RSHIPS.

M.P.S. (LADY), with small capital and suitable premises qualified Chemists to combine in forming Limited Company for good-class Pharmacy. No fancy goods as side lines. Write "A. X.," c/o Smiths, 12, Golders Green Parade, N.W.

OPPORTUNITY occurs for first-class Representatives to become financially interested in established firm of Manufacturing Chemists dealing with retail Chemists throughout the British Isles. Applications, with full particulars of experience and present turnover, are invited from live men who can command good business. 106/290, Office of this Paper.

### FOR SALE.

FOR Sale, one Copper Roller (for 18) Cutting Machine, one Hand (1 dozen piping) Press for 1 grain (Beecham's size) of pills also Pill Rounder, Trays and Pill Counter, as new, £16 10s. Write 103/17, Office of this Paper.

PRACTICALLY new Gestetner's Self-feeding Rotary Cyclostyle, with all accessories, cost £45, sell £25; also "Corona" Typewriter, perfect condition, £6 10s. Boulton, Chemist. Healing, Lines.

 $500~^{\mathrm{GROSS}}$  new Tin Boxes, size 2 x §. Ward, 2, Cicely Road, Hanover Park, S.E.15.

# BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

MIDLANDS OR SOUTH MIDLANDS.—Wanted to purchase Chemist's Business; neglected business not objected to if position good and premises suitable; cash available £1,500. Replies treated in confidence. £5 given for suggestions for suitable site to open if acted upon. W. H. S. Dunn, Long Lawford, Rugby.

OUTH COAST.—Pharmacy or Freehold Premises, central, busy neighbou hood; returns about £2,500; prospects of increase; rigaton, Eastbourne, Portsmouth, Southampton preferred; £10 for info mation (if acted upon), with particulars of Freehold ompty premises, or small Business (at a moderate figure) suited for a Pharmacy. Henchley, 13, Holdenhurst Road, Bournementh

A DVERTISER would like to negotiate for purchase of well-estimits of Business, within easy distance of Bristol; mnst prod net profit of not less than £600 or £700; preference given to one where cash takings predominate. Full particulars to 107/7, Office of this Paper.

BUSINESS wanted, London, within two or three miles City; good living accommodation; neglected one not objected to if scope for increase State particulars to 105/32, Office of this Paper.

BUSINESS required immediately, London or Home Countres; good living accommodation essential; exchange of residence might be arranged; cash down, £600; anything more by arrangement. kindly send full particulars, in first instance, which will be treated as strictly confidential. Letters first to Ph.C., c/o Mrs. Laming, 48, Laburnum Road, Wimbledon, S.W. 19.

PHARMACIST desires good-class Business; South Coast preferred; would manage with view to succession; cash available £1,000. Particulars to "A. B.," 104/32, Office of this Paper.

WANTED sound Light Retail and Photo. Business, with Wine Licence; living accommodation preferred; Cornwall, Devon or Somerset if possible; returning about £3,000 or £4,000. State fullest particulars, in confidence, to Benson, Chemist, Barrow-in-Furness.

### PREMISES TO LET.

SUPERIOR Shops to Let.—Palmerston Colonnade, corner of Station and Palmerston Roads, facing Westeliff Railway Station; finest and largest in Westeliff; lock-up shops; £200 to £350. High Street, Sheerness, No. 38, centre of busiest part; 10 rooms; 38-ft. frontage, 130 ft. deep; rent £400; suit any tade. High Street, Brentwood, corner Ongar Road; 10 rooms; bold corner; suit provisions, bank, or make five or six shops; rent £350; long leases granted. No. 31, London Road, St. Albans; 10 rooms; freehold. £2,500. Shorecliff, 8, San Remo Parade. Westeliff-on-Sea.

### AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

GENERAL Sundriesman; Gloucestershire, is open to accept additional Agencies and act as Representative for Wholeselers, write, giving full details, to "Sundries," 108/6, Office of

MANUFACTURERS' Agents in London, with spacious ware-houses available, are open for further Agency where delivery from stock is advantageous; old-established connection (wholesale only); payment by results. P.C.B. 65/38, Office of this Paper.

### SITUATIONS OPEN.

### [HOME.]

### RETAIL.

BELVEDERE.—Qnalified Assistant wanted to take charge of Branch Shop; must have good references; single; no war qnalifications need apply; state age, wage, and enclose photo it possible. Knowles, Fletcher & Co., Belvedere, Kent.

BRISTOL.—Experienced Assistant required for N.H.I., Dispensing and General Retail. State salary, age, height, etc. Butler, 42, Old Market Street, Bristol.

CHELMSFORD.—Junior wanted at once; unqualified; one just completed apprenticeship preferred; ontdoors; easy hours; no N.H.I.; keen Salesman and smart address essential. Apply, full particulars, photo if possible, age, salary, etc., "Medico," 105/20. Office of this Paper.

RALMOUTH.—Unqualified, experienced Assistant of good appearance and address, principally for counter; assist dispensing or photo as required; age about 35; send particulars salary, experience, references, and recent photo. Wilmer & Hocking, Chemists, Falmonth.

GLAMORGAN.—Live Branch Manager required; must be a keen and tactful salesman, good window-dresser, and have photographic experience. Apply, stating salary required and full particulars, to Davies Bros., Chemists, Porth.

LIVERPOOL.—Smart unqualified Assistant wanted at once. Full particulars, stating also salary required, to R. & J. Herman, Pharmacists, Colonial House, Water Street, Liverpool.

LONDON, N.E.—Smart all-round Junior, ontdoor; capable at dispensing and counter. Applications from London only, stating age, height, experience and salary required. Tabor & Cresswell, 133, High Street, Kingsland.

LONDON.—Manager required for branch business in workingclass neighbourhood; quick Counter and N.H.I.; salary and interest in profits; good prospects for capable and hard-working man. P.C.B. 69/7, Office of this Paper.

DONDON.—Capable Assistant required; Minor preferred, though not essential; must have good knowledge of all branches of trade; Photography and Optics useful. Scnd full particulars. All replies acknowledged. 108/211, Office of this Paper.

LONDON, N.—Qnalified Manager required for working-class to the right man. "N.," 108/90, Office of this Paper.

MIDLANDS.—Qualified Assistant, capable of taking charge; sound Dispenser, good Counterman, with knowledge of Photography; age and salary required. Full particulars in first instance. Applicants not answered in six days please consider declined. 105/27, Office of this Paper.

MONMOUTHSHIRE. — Assistant required, outdoors, by November 5; good Salesman, Dispenser, and capable of making smart window displays. Send photo, if possible, also references, salary, etc., to T. Gilbert Thomas, Chemist, Risca, Mon.

POPLAR.—Qualified Manager for working-class business; salary and interest in the profits; house free. Fullest particulars required in first letter. "P.," 108/9, Office of this Paper.

SOUTH WALES.—Wanted, immediately, qualified Manager for Bedwas Branch. Apply, stating salary required and full particulars, first letter, to Francis, Chemist, New Tredegar, Mon.

WEST-END.—French-speaking qualified Assistant, Kindly give particulars of age, height, experience and salary required, when applying to 106/9, Office of this Paper.

WOKING.—Unqualified Assistant (single); must be a good Dispenser and Counterman. State earliest date at liberty and salary required; permanency. "W.," 108/91, Office of this Paper.

A SMART Assistant wanted with good all-round experience. Particulars of age, height, experience, salary required, and references to R. J. Butcher, 16, Rawmarsh Hill, Parkgate, Rotherham.

A SSISTANT (unqualified), age not over 30, for S.W. district; must be a good Dispenser and Window-dresser, with Photographic knowledge. 14/433, Office of this Paper.

CHEMIST.—Wanted, a fully qualified man as Manager and Buyer for a department about to be opened for Christmas; knowledge of Optics a recommendation. Apply, by letter, stating age, wage and experience, to the Parkgate and Berry Brow Co-operative Society, Ltd., Berry Brow, Huddersfield, not later than first post November 1.

MANAGER, age 25-35, required for suburban branch; must be a good Salesman and Window-dresser, with Photographic experience. 14/432, Office of this Paper. DISPENSER required at the Norfolk Mental Hospital; is be fully qualified; salary £180 per annum, rising to £ Appointment is subject to the Ayslums Officers' Superannua Act. Applications, with full particulars and copies of trecent testimonials, to be sent to the Medical Superinten Norfolk Mental Hospital, Thorpe, Norwich, as early as poss

OPTICIAN.—Capable and experienced man with stan diplomas and with knowledge of Pharmacy preferred; manency. State age, height, salary required, and full ticulars of experience to "Delta," c/o British Drug Houses, Graham Street, London, N.

PART-TIME Assistant (Junior) with Dispensing experistating age; experience, and salary required to C. B., 20, Street, Dorset Square, N.W.1.

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Conneil of this Society will, on November 14, 1
proceed-to the appointment of an Examiner for the Mar
Medica and Botany Division of the Pharmaceutical Lie
Examination, subject to the usnal conditions. Fnll partic
will be supplied by the Registrar, with whom spolical
should be lodged not later than November 6, 1922. Arthu
Ferrall, Registrar, 67, Lower Mount Street, Dublin.

QUALIFIED Manager to work up new business in a conytown; outdoors; knowledge of mixed agricultural businessential. Not less than 28 years of age. Reference, age, playsalary, and whether married or single. Phillips, Chemist, Cri Arms, Salop.

QUALIFIED Assistant for Branch; age 35 to 40; ms good salesman and used to working-class trade; li accommodation available; state salary required, with usnal ticulars, in first letter. W. L. Nundy, Bath Street, Leamin Spa.

QUALIFIED Assistant for cash trade and N.H.I. Dispens; ontdoors. Full particulars of experience, age and se required to Goosey & Rogers, 51, Ben Jonson Road, Ster; E. 1.

UNQUALIFIED Assistant, outdoors, with good D. & P. (rience. State age, height, periods of experience, when is where, with salary required, to Barrett, Chemist, Devon Applications not answered per return may be considered suitable.

UNQUALIFIED Assistant wanted; must be a quick Counan, and have excellent references. Apply, stating I particulars, to Wm. Fox & Sons, Ltd., 109, 111, 113, Bet I Green Road, London, E.2.

WANTED, Junior Assistant, about 24 years. State experion salary required (outdoors), and when free by letter of Anthony & Son, 48, High Street, Bedford.

### WHOLESALE.

A DVERTISING. — Opportunity occurs for qualified nan to learn pharmaceutical advertising department of large London wholesale firm. Ability to work desirable. Send full particulars of age, qualifications, experient and salary required to 14/428, Office of this Paper.

COMMISSION Representatives wanted in all districts for of a first-class Castile Soap in pound bars at a really petitive price. J. H. Swainston, 24, Rood Lane, London, E.

ESSENTIAL Oils.—Capable Salesman and Market C wanted by large firm of import and export mercha thorongh knowledge of trade indispensable; French an advant permanent and responsible position of trust. State full ticulars "Z. E. O.," c/o Deacons, Leadenhall Street, E.C.3

M.R. ARTHUR S. CARLOS, B.Sc. (Lond.), F.I.C., vacancies for a few Pupils in his laboratory, and be pleased to hear from those who wish to take a Post Grad Course in the Analysis of Food and Drugs. 325, Kenning Road, S.E.11.

Outside position offered to real live man of good apprance; small security investment required; Whole Chemists and Perfumers. 13/426, Office of this Paper.

DEPRESENTATIVE required in London and district by the established London mannfacturers of high-class To Soaps, Perfumery and Tollet Preparations; only active keen salesmen with a thorough knowledge of the trade with a live connection amongst chemists, etc., are conside Applications, with full particulars as to age, previous a rience, etc., will be treated in confidence. Apply to "X. Y. 13/399, Office of this Paper.

REPRESENTATIVE wanted for Chemist's Sundries, etc., London district. Apply, with full particulars, 104

PRESENTATIVES required with strong connection among retail Chemists; packed medicinal preparations. Only really salesmen, prepared to work the ground intensively, coned. Applications should include full particulars of experiand turnover, which will be treated in confidence; commisterms. Existing connections will be allotted and opportunity to suitable men to become financially interested. 106/29, of this Paper. of this Paper.

ONGES.—Traveller required for Midlands and North to represent firm of direct importers; must have good connects and know ground well. State qualifications, references, Write "C. C. P.," 14/431, Office of this Paper.

Perfume Travellers—Excellent side line of Powder Puffs, full range, exclusive designs, at competitive prices; comion 20 per cent. on invoice value; provincial territory open multernen with first-class, live connection calling on Chemists, dressers and Stores. Full particulars, in confidence, 106/25, of this Paper.

AVELLERS on commission wanted; £15-£25 weekly easily earned; first-class French Toilet Soap; exceptionally low e. Offers which must be accompanied by references, stating covered to Hugh Mountain, 82, Farringdon Street, E.C.4.

tAVELLERS, on commission basis, for Vange Natural Medicinal water now in phenomenal demand, sells itself, adverge being greatly extended in all parts of the country; prefergiven to applicants with oldest and largest connection ngst chemists. Vange Crystal Wells Company, Barking.

AVELLERS on commission basis wanted for all counties with established connection amongst chemists, to sell ladies' to preparation. The article will be extensively advertised, and y assistance given to assist sales. Application will be treated trict confidence. Box V., Forbes Keir & Bullen, Ltd., Adverg Agents, Liverpool.

### [Colonial, Indian and Foreign.]

ARIS.—Assistant with knowledge of French. State age, height, references, photo (to be returned), salary (outdoors). erts & Co., 5, rue de la Paix, Paris.

OUTH AFRICA.—Required by important business house, young, energetic man to act as Traveller in South Africa; lifed Chemist preferred, but not essential, provided applicant knowledge of drng trade. Write, stating age, qualifications, erience and salary required, to Box 448, c/o Mitchell's Adverng Agency, 1, Snow Hill, E.C.1.

### SITUATIONS WANTED.

### [HOME.]

### RETAIL.

for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A.A. -EXPERIENCED Assistant desires good per-apetent Dispenser, Counterman, Window-dresser; highest erences from present and previous employers. "Spes," 168, athfield Road, Handsworth, Birmingham.

A.A. CAPABLE Pharmacist, 34, single, qualified 1909, permanent or temporary, any capacity, anywhere; istered locum R.P.U.; disengaged; moderate. Clear Mount, pert Road, Dorchester. Dorset.

A.A. -ASSISTANT, 27; high-class experience; first-class Salesman; quick and accurate Dispenser; eptionally high references; disengaged November 3. lalcyon, 10, The Avenue, Eastbourue.

A.A. -EXPERIENCED Assistant; unqualified; capable of management single-handed shop; highest erences; permanency or locum, disengaged. Geo. Fall, 18, thoole Parade, Hornsey, N.S.

A.A.—YOUNG, qualified Pharmacist, disengaged 28th, requires permanency; used to high-class business; stainer. E. A. Douglas, 12, St. John's Church Road, Folkestone.

A.A.—MANAGER, Assistant or Representative, 29; nasing, photography, salesmanship, window dresser; Birmingm or district preferred. Harrison, 16, St. John's Road, arborne, Birmingham.

-PHARMACEUTICAL Chemist, 28; married; first-aphy; tall and energetic; Senior Assistant or Manager; dis-gaged November. 107/38, Office of this Paper.

A1.—ASSISTANT or Manager (qualified); single; 27; first-class salesman; accurate dispenser, prescribing; knowledge photography; excellent references; mederate salary; anywhere; partnership entertained. "Max," 18, Gloucester Road, Regent's Park, N.W.1.

A CAPABLE Manager, 30, qualified, thoroughly competent in all branches, seeks similar position; disengaged 4th prox.; Locum or permanercy; state wages offered. Manager, 23, Bridge Street, Lockwood, Huddersfield.

A JUNIOR requires post; just completed aprenticeship in high-class Retail; excellent references; all-round experience; Lancashire preferred. 107/39, Office of this Paper.

A PHARMACIST, 27, 11 years' sound experience, desires change to progressive berth; conscientions worker; good address; succession entertained. 108/11, Office of this Paper.

QUALIFIED Pharmacist, 29; Branch Manager or Assistant; A tall, 8 years' business, 4 years' Army; sound experience in dispensing, counter, photography, window dressing; tactful, good salesman; highest possible references; disengaged. Thomas, Glenmona, Stroud Road, Gloncester.

A BSTAINER, -qualified, Manager; tall; sound varied experi-once; 8 years last post; Photography. 13. Hartington Road, St. Margarets, Twickenham.

A BSTAINER; qualified; 30; single, tall, experienced; position near Manchester preferred; Manager or Assist., or represent Wholesaler 108/10, Office of this Paper.

A N experienced Lady Dispenser (Hall); 7 years Hospital and Surgeries, 4 years Wholesale; Locum, part time or permanency; in or near London. 104/27, Office of this Paper.

A N elderly qualified Chemist desires employment with short hours, or part-time. Baker, 81, Elgar Road, Reading.

A NY Pharmacist requiring a reliable, up-to-date Business Manager or Assistant, qualified, keen at Counter, should write to T W. G., 42, Pembury Road, Clapton, E.5. Counter, should

AS Manager by capable, active, elderly mau; good Prescriber, Counterman, Dispensor; reliable references; London or country; moderate salary; in or outdoor. Address 104/24. Office country: mode of this Paper.

A S Manager or Locum, 50; qualified; London or provinces; satisfactory references: all-round experience. Pharmacist, 58, Wendover Road, Hariesden, N.W.

A S Manager or Locum; qualified; 30 years' experience; excel-lent references; abstainer; London or country. Dawson, P.C.B. 69/10, Office of this Paper.

A SSISTANT; shortly disengaged; quick and reliable Dispenser, Counterman, and Photographer; wide experience. "Chemious," Ilversden, Wickham Avenue, Bexhill-on-Sea.

A SSISTANT. 37, married; educated Willesden Grammar School; experienced in Dental work. M. L. 15321, Office of this Paper.

A SSISTANT, 24; high-class Counter and Dispensing experience; season or longer engagements. Roberts, Gate, Dinas Cross, Pem.

A SSISTANT, 25, Part I., studying, requires post, with view to succession; strict confidence. L. C. Moore, Brooklands, Belvedere Road, Bournemouth.

A SSISTANT. 23; unqualified; Counter and Dispensing; 7 years' experience; height 5 ft. 7 in.; Midlands preferred. F. Stanhope, Sandy Lane, Mansfield.

A SSISTANT, 32; unqualified; competent Counter, Dispensing; 15 years' practical experience; excellent references; disengaged "Chemist,' 8, Carnarvon Road, Leyton.

A SSISTANT, unqualified, of varied experience, highly recommended, desires post; Bath or near. 106/14, Office of this

A SSISTANT, 23; unqualified; 6 years' experience; tall; Photography, Dispensing, and quick Counter. Batt, 51. Heygate Street, Walworth Road S.E.

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